

Bank account:

```
import pickle
import os
import random
import time
from datetime import date

print('\tWelcome to Northen TBB')
```

```
time.sleep(0.5)
today = date.today()
a=-1
b=-1
c=-1
d=-1
e=-1
```

```
ab=0
bb=0
cb=0
db=0
eb=0
```

```
name_a = ()
name_b = ()
name_c = ()
name_d = ()
name_e = ()
```

```
csa=()
csb=()
csc=()
csd=()
cse=()
```

```
option=0
lol=0
cs=0
restart=('Y')
delete=('y')
chances = 999
```

CBS-PYTHON

```
Pay_in = 0
d1 = ()
balance = 0
atype = ""
acc1 = []
d1 = today.strftime("%d %B,%Y")
while chances >= 0:
    while restart not in ('n','NO','no','N'):
        print("")
        print("\t MAIN MENU ")
        print("\t 1 Create Account')
        print("\t 2 Check Balance')
        print("\t 3 Withdraw')
        print("\t 4 Deposit')
        print("\t 5 Modify Account')
        print("\t 6 Check account')
        print("\t 7 Delete Account')
        print("\t 8 Show all Accounts')
        print("\t 9 To exit\n')
        option = int(input('What Would you like to choose?'))
        print("")

    if option == 1:
        print("\tAccount Type: \n\t\t1 current \n\t\t2 savings")
        cs = int(input("\tEnter Your Choice: "))
        if cs == 1 :
            if a <= 0:
                time.sleep(0.5)
                csa = 'Current'
                name_a = input("\tAccount Name: ")
                lol = int(input("\tminimum 1000 \n\tenter ammonut: "))
                if lol >= 1000:
                    ab = lol + ab
                    a = random.randint(100000,999999)
                    print("")
                    print("=====")
                    print("\t",name_a)
                    print("\t",csa)
                    print("\tThis is your Account Number #", a)
                    print("\tCreated at", d1)
                    print("=====")
```

```

    print("")
    print("")
    time.sleep(0.5)
    lol = 0
    break
elif lol <= 1000:
    time.sleep(0.5)
    print("")
    print("=====")
    print("")
    print("\tminimum 1000")
    print("")
    print("=====")
    print("")
    time.sleep(0.5)
    break

```

```

elif b <= 0:
    time.sleep(0.5)
    name_b = input("\tAccount Name: ")
    csb = 'Current'
    lol = int(input("\tminimum 1000 \n\tenter ammonut: "))
    if lol >= 1000:
        bb = lol + bb
        b = random.randint(100000,999999)
        print("")
        print("=====")
        print("\t",name_b)
        print("\t",csb)
        print("\tThis is your Account Number #",b)
        print("\tCreated at",d1)
        print("=====")
        print("")
        print("")
        time.sleep(0.5)
        lol = 0
        break
elif lol <= 1000:
    time.sleep(0.5)
    print("")

```

```
print("=====")
print("")
print("\tminimum 1000")
print("")
print("=====")
print("")
time.sleep(0.5)
break

elif c <= 0:
    time.sleep(0.5)
    name_c = input("\tAccount Name: ")
    csc = 'Current'
    lol = int(input("\tminimum 1000 \n\tenter ammonut: "))
    if lol >= 1000:
        cb = lol + cb
        c = random.randint(100000,999999)
        print("")
        print("=====")
        print("\t",name_c)
        print("\t",csc)
        print("\tThis is your Account Number #",c)
        print("\tCreated at",d1)
        print("=====")
        print("")
        print("")
        time.sleep(0.5)
        lol = 0
        break
    elif lol <= 1000:
        time.sleep(0.5)
        print("")
        print("=====")
        print("")
        print("\tminimum 1000")
        print("")
        print("=====")
        print("")
        time.sleep(0.5)
        break
```

```

elif d <= 0:
    time.sleep(0.5)
    name_d = input("\tAccount Name: ")
    csd = 'Current'
    lol = int(input("\tminimum 1000 \n\tenter ammonut: "))
    if lol >= 1000:
        db = lol + db
        d = random.randint(100000,999999)
        print("")
        print("=====")
        print("\t",name_d)
        print("\t",csd)
        print("\tThis is your Account Number #",d)
        print("\tCreated at",d1)
        print("=====")
        print("")
        print("")
        time.sleep(0.5)
        lol = 0
        break
    elif lol <= 1000:
        time.sleep(0.5)
        print("")
        print("=====")
        print("")
        print("\tminimum 1000")
        print("")
        print("=====")
        print("")
        time.sleep(0.5)
        break

elif e <= 0:
    time.sleep(0.5)
    name_e = input("\tAccount Name: ")
    cse = 'Current'
    lol = int(input("\tminimum 1000 \n\tenter ammonut:"))
    if lol >= 1000:
        eb = lol + eb
        e = random.randint(100000,999999)
        print("")

```

```

    print("=====")
    print("\t",name_e)
    print("\t",cse)
    print("\tThis is your Account Number #",e)
    print("\tCreated at",d1)
    print("=====")
    print("")
    print("")
    time.sleep(0.5)
    lol = 0
    break
elif lol <= 1000:
    time.sleep(0.5)
    print("")
    print("=====")
    print("")
    print("\tminimum 1000")
    print("")
    print("=====")
    print("")
    time.sleep(0.5)
    break

else:
    print("")
    print("")
    print("=====")
    print ("Too Many Accounts ")
    print("=====")

if cs == 2 :
    if a <= 0:
        time.sleep(0.5)
        name_a = input("\tAccount Name: ")
        csa = 'Savings'
        lol = int(input("\tminimum 500 \n\tenter ammonut:"))
        if lol >= 500:
            ab = lol + ab
            a = random.randint(100000,999999)
            print("")

```

```

print("=====")
print("\t",name_a)
print("\t",csa)
print("\tThis is your Account Number #",a)
print("\tCreated at",d1)
print("=====")
print("")
print("")
time.sleep(0.5)
lol = 0
break
elif lol <= 500:
time.sleep(0.5)
print("")
print("=====")
print("")
print("\tminimum 500")
time.sleep(0.5)
print("")
print("=====")
print("")
break

elif b <= 0:
time.sleep(0.5)
name_b = input("\tAccount Name: ")
csb = 'Savings'
lol = int(input("\tminimum 500 \n\tenter ammount:"))
if lol >= 500:
bb = lol + bb
b = random.randint(100000,999999)
print("")
print("=====")
print("\t",name_b)
print("\t",csb)
print("\tThis is your Account Number #",b)
print("\tCreated at",d1)
print("=====")
print("")
print("")
time.sleep(0.5)
lol = 0

```

```
        break
    elif lol <= 500:
        time.sleep(0.5)
        print("")
        print("=====")
        print("")
        print("\tminimum 500")
        time.sleep(0.5)
        print("")
        print("=====")
        print("")
        break

elif c <= 0:
    time.sleep(0.5)
    name_c = input("\tAccount Name: ")
    csc = 'Savings'
    lol = int(input("\tminimum 500 \n\tenter ammonut:"))
    if lol >= 500:
        cb = lol + cb
        c = random.randint(100000,999999)
        print("")
        print("=====")
        print("\t",name_c)
        print("\t",csc)
        print("\tThis is your Account Number #",c)
        print("\tCreated at",d1)
        print("=====")
        print("")
        print("")
        time.sleep(0.5)
        lol = 0
        break
    elif lol <= 500:
        time.sleep(0.5)
        print("")
        print("=====")
        print("")
        print("\tminimum 500")
        time.sleep(0.5)
        print("")
```



```
print("=====")
print("")
break
```

```
elif d <= 0:
```

```
    time.sleep(0.5)
    name_d = input("\tAccount Name: ")
    csd = 'Savings'
    lol = int(input("\tminimum 500 \n\tenter ammonut:"))
    if lol >= 500:
        db = lol + db
        d = random.randint(100000,999999)
        print("")
        print("=====")
        print("\t",name_d)
        print("\t",csd)
        print("\tThis is your Account Number #",d)
        print("\tCreated at",d1)
        print("=====")
        print("")
        print("")
        time.sleep(0.5)
        lol = 0
        break
```

```
elif lol <= 500:
```

```
    time.sleep(0.5)
    print("")
    print("=====")
    print("")
    print("\tminimum 500")
    print("")
    print("=====")
    print("")
    time.sleep(0.5)
    break
```

```
elif e <= 0:
```

```
    time.sleep(0.5)
    name_e = input("\tAccount Name: ")
    cse = 'Savings'
```

```

lol = int(input("\tminimum 500 \n\tenter ammonut:"))
if lol >= 500:
    eb = lol + eb
    e = random.randint(100000,999999)
    print("")
    print("=====")
    print("\t",name_e)
    print("\t",cse)
    print("\tThis is your Account Number #",e)
    print("\tCreated at",d1)
    print("=====")
    print("")
    print("")
    time.sleep(0.5)
    lol = 0
    break
elif lol <= 500:
    time.sleep(0.5)
    print("")
    print("=====")
    print("")
    print("\tminimum 500")
    print("")
    print("=====")
    print("")
    time.sleep(0.5)
    break

else:
    print("")
    print("")
    print("=====")
    print ("Too Many Accounts ")
    print("=====")

else:
    print("=====")
    print ("\tInvalid Number")
    restart = input('Would You you like to go back to the menu?\n\t(yes/no) \n')
    if restart in ('n','NO','no','N'):
        print('Thank You')
        break

```

```
print("=====")
print("\t.")
restart = ('y')
```

```
elif option == 2:
```

```
    acc1 = int(input('Enter your Account Number:'))
    time.sleep(0.5)
    if acc1 == a:
        print("")
        print("=====")
        print('Your Balance is ',ab,)
        print("Checked at",d1)
        print("=====")
        print("")
```

```
elif acc1 == b:
```

```
    print("")
    print("=====")
    print('Your Balance is ',bb,)
    print("Checked at",d1)
    print("=====")
    print("")
```

```
elif acc1 == c:
```

```
    print("")
    print("=====")
    print('Your Balance is ',cb,)
    print("Checked at",d1)
    print("=====")
    print("")
```

```
elif acc1 == d:
```

```
    print("")
    print("=====")
    print('Your Balance is ',db,)
```

```
print("Checked at",d1)
print("=====")
print("")

elif acc1 == e:
    print("")
    print("=====")
    print('Your Balance is ',eb,)
    print("Checked at",d1)
    print("=====")
    print("")

else:
    print("=====")
    print ("\tInvalid Account Number")
    restart = input('Would You you like to go back to the menu?\n\t(yes/no) \n')
    if restart in ('n','NO','no','N'):
        print('Thank You')
        break
    print("=====")
    print("\t.")
    restart = ('y')
```

```
elif option == 3:
    acc1 = int(input('Please Enter your Account Number.'))
    time.sleep(0.5)
    if acc1 == a:
        print("")
        print("")
        print("=====")
        withdrawl = float(input('How Much Would you like to withdraw?'))
        print("=====")
        if withdrawl <= ab:
```

```

        ab = ab - withdrawl
        print ('\nYour Balance is now $',ab)
        restart = input('Would You you like to go back to the menu?\n\tyes or no ')
        print("")
        time.sleep(0.5)
    elif withdrawl >= ab:
        print('Invalid Amount, Please Re-try\n')
        restart = ('y')

elif acc1 == b:
    print("")
    print("")
    print("=====")
    withdrawl = float(input('How Much Would you like to withdraw?'))
    print("=====")
    if withdrawl <= bb:
        bb = bb - withdrawl
        print ('\nYour Balance is now $',bb)
        restart = input('Would You you like to go back to the menu?\n\tyes or no ')
        print("")
        time.sleep(0.5)
    elif withdrawl >= bb:
        print('Invalid Amount, Please Re-try\n')
        restart = ('y')

elif acc1 == c:
    print("")
    print("")
    print("=====")
    withdrawl = float(input('How Much Would you like to withdraw?'))
    print("=====")
    if withdrawl <= cb:
        cb = cb - withdrawl
        print ('\nYour Balance is now $',cb)
        restart = input('Would You you like to go back to the menu?\n\tyes or no ')
        print("")
        time.sleep(0.5)
    elif withdrawl >= cb:
        print('Invalid Amount, Please Re-try\n')
        restart = ('y')

elif acc1 == d:

```

```

print("")
print("")
print("=====")
withdrawl = float(input('How Much Would you like to withdraw?'))
print("=====")
if withdrawl <= db:
    db = db - withdrawl
    print ('\nYour Balance is now $',db)
    restart = input('Would You you like to go back to the menu?\n\tyes or no ')
    print("")
    time.sleep(0.5)
elif withdrawl >= db:
    print('Invalid Amount, Please Re-try\n')
    restart = ('y')

elif acc1 == e:
    print("")
    print("")
    print("=====")
    withdrawl = float(input('How Much Would you like to withdraw?'))
    print("=====")
    if withdrawl <= eb:
        eb = eb - withdrawl
        print ('\nYour Balance is now $',eb)
        restart = input('Would You you like to go back to the menu?\n\tyes or no ')
        print("")
        time.sleep(0.5)
    elif withdrawl >= eb:
        print('Invalid Amount, Please Re-try\n')
        restart = ('y')

else:
    time.sleep(0.5)
    print("=====")
    print ("\tWrong Account Number")
    restart = input('Would You you like to go back to the menu?\n\t(yes/no) \n')
    if restart in ('n','NO','no','N'):
        print('Thank You')
        break
    print("=====")
    print("\t.")

```

```
restart = ('y')
```

```
elif option == 4:
```

```
    acc1 = int(input('Please Enter your Account Number. '))
```

```
    time.sleep(0.5)
```

```
    if acc1 == a:
```

```
        print("""
```

```
        print("""
```

```
        print("=====")
```

```
        Pay_in = float(input('How Much Would You Like To Pay In? '))
```

```
        ab = ab + Pay_in
```

```
        print ('\nYour Balance is now $',ab)
```

```
        print("=====")
```

```
    elif acc1 == b:
```

```
        print("""
```

```
        print("""
```

```
        print("=====")
```

```
        Pay_in = float(input('How Much Would You Like To Pay In? '))
```

```
        bb = bb + Pay_in
```

```
        print ('\nYour Balance is now $',bb)
```

```
        print("=====")
```

```
    elif acc1 == c:
```

```
        print("""
```

```
        print("""
```

```
        print("=====")
```

```
        Pay_in = float(input('How Much Would You Like To Pay In? '))
```

```
        cb = cb + Pay_in
```

```
        print ('\nYour Balance is now $',cb)
```

```
        print("=====")
```

```
    elif acc1 == d:
```

```
        print("""
```

```

print("")
print("=====")
Pay_in = float(input('How Much Would You Like To Pay In? '))
db = db + Pay_in
print ("\nYour Balance is now $',db)
print("=====")

elif acc1 == e:
    print("")
    print("")
    print("=====")
    Pay_in = float(input('How Much Would You Like To Pay In? '))
    eb = eb + Pay_in
    print ("\nYour Balance is now $',eb)
    print("=====")

else:
    time.sleep(0.5)
    print("=====")
    print ("\tWrong Account Number")
    restart = input('Would You you like to go back to the menu?\n\t(yes/no) \n')
    if restart in ('n','NO','no','N'):
        print('Thank You')
        break
    print("=====")
    print("\t.")
    restart = ('y')

elif option == 5:
    acc1 = int(input('Please Enter your Account Number.'))
    time.sleep(0.5)
    if acc1 == a:
        name_a = input("\tHolder's Name: ")
        time.sleep(0.5)
        print("=====")

```



```
print("\t",name_a)
print("\t",csa)
print("\tThis is your Account Number :",a)
print("\Edited at",d1)
print("=====")
time.sleep(0.5)
```

```
elif acc1 == b:
    name_b = input("\tHolder's Name: ")
    time.sleep(0.5)
    print("=====")
    print("\t",name_b)
    print("\t",csb)
    print("\tThis is your Account Number :",b)
    print("\Edited at",d1)
    print("=====")
    time.sleep(0.5)
```

```
elif acc1 == c:
    name_c = input("\tHolder's Name: ")
    time.sleep(0.5)
    print("=====")
    print("\t",name_c)
    print("\t",csc)
    print("\tThis is your Account Number :",c)
    print("\Edited at",d1)
    print("=====")
    time.sleep(0.5)
```

```
elif acc1 == d:
    name_d = input("\tHolder's Name: ")
    time.sleep(0.5)
    print("=====")
    print("\t",name_d)
    print("\t",csd)
    print("\tThis is your Account Number :",d)
    print("\Edited at",d1)
```

```
print("=====")
time.sleep(0.5)

elif acc1 == e:
    name_e = input("\tHolder's Name: ")
    time.sleep(0.5)
    print("=====")
    print("\t",name_e)
    print("\t",cse)
    print("\tThis is your Account Number :",e)
    print("\tEdited at",d1)
    print("=====")
    time.sleep(0.5)

else:
    time.sleep(0.5)
    print("=====")
    print ("\tWrong Account Number")
    restart = input('Would You you like to go back to the menu?\n\t(yes/no) \n')
    if restart in ('n','NO','no','N'):
        print('Thank You')
        break
    print("=====")
    print("\t.")
    restart = ('y')

elif option == 6:
    time.sleep(0.5)
    if acc1 == a:
        time.sleep(0.5)
        print("=====")
        print("\t",name_a)
        print("\t",csa)
        print("\tThis is your Account Number :",a)
```

```
print("\Edited at",d1)
print("=====")
time.sleep(0.5)
break

elif acc1 == b:
    time.sleep(0.5)
    print("=====")
    print("\t",name_b)
    print("\t",csb)
    print("\tThis is your Account Number :",b)
    print("\Edited at",d1)
    print("=====")
    time.sleep(0.5)
    break

elif acc1 == c:
    time.sleep(0.5)
    print("=====")
    print("\t",name_c)
    print("\t",csc)
    print("\tThis is your Account Number :",c)
    print("\Edited at",d1)
    print("=====")
    time.sleep(0.5)
    break

elif acc1 == d:
    time.sleep(0.5)
    print("=====")
    print("\t",name_d)
    print("\t",csd)
    print("\tThis is your Account Number :",d)
    print("\Edited at",d1)
    print("=====")
    time.sleep(0.5)
    break
```

```
elif acc1 == e:
    time.sleep(0.5)
    print("=====")
    print("\t",name_e)
    print("\t",cse)
    print("\tThis is your Account Number :",e)
    print("\tEdited at",d1)
    print("=====")
    time.sleep(0.5)
    break

else:
    time.sleep(0.5)
    print("=====")
    print ("\tWrong Account Number")
    restart = input('Would You you like to go back to the menu?\n\t(yes/no) \n')
    if restart in ('n','NO','no','N'):
        print('Thank You')
        break
    print("=====")
    print("\t.")
    restart = ('y')

elif option == 7:
    acc1 = int(input('Please Enter your Account Number.'))
    time.sleep(0.5)
    if acc1 == a:
        delete = input("\tAre you sure \n\t(yes/no): ")
        if delete in ('Y','YES','yes','y'):
            time.sleep(0.5)
            name_a = []
            csa = ()
```

```
a = -1
print("=====")
print ("\tdeleted")
print("=====")

elif delete in ('n','NO','no','N'):
    print("")
    break

elif acc1 == b:
    delete = input("\tAre you sure \n\t(yes/no): ")
    if delete in ('Y','YES','yes','y'):
        time.sleep(0.5)
        name_b = []
        csb = ()
        b = -1
        print("=====")
        print ("\tdeleted")
        print("=====")

    if delete in ('n','NO','no','N'):
        print("")
        break

elif acc1 == c:
    delete = input("\tAre you sure \n\t(yes/no): ")
    if delete in ('Y','YES','yes','y'):
        time.sleep(0.5)
        name_c = []
        csc = ()
        c = -1
        print("=====")
        print ("\tdeleted")
        print("=====")
```

```
        if delete in ('n','NO','no','N'):
            print("")
            break

elif acc1 == d:
    delete = input("\tAre you sure \n\t(yes/no): ")
    if delete in ('Y','YES','yes','y'):
        time.sleep(0.5)
        name_d = []
        csd = ()
        d = -1
        print("=====")
        print ("\tdeleted")
        print("=====")

        if delete in ('n','NO','no','N'):
            print("")
            break

elif acc1 == e:
    delete = input("\tAre you sure \n\t(yes/no): ")
    if delete in ('Y','YES','yes','y'):
        time.sleep(0.5)
        name_e = []
        cse = ()
        e = -1
        print("=====")
        print ("\tdeleted")
        print("=====")

        if delete in ('n','NO','no','N'):
            print("")
            break

else:
    time.sleep(0.5)
    print("=====")
```

```

print ("\tWrong Account Number")
restart = input('Would You you like to go back to the menu?\n\tyes or no \n')
if restart in ('n','NO','no','N'):
    print('Thank You')
    break
print("=====")
print("\t.")
restart = ('y')

```

```

elif option == 8:
    time.sleep(0.5)
    if a >= 0:
        print("=====")
        print("\t",name_a)
        print("\t",csa)
        print('\tYour Balance is ',ab,)
        print("\tThis is your Account Number :",a)
        print("\tCreated at",d1)
        print("=====")
        time.sleep(0.5)
    else:
        print("=====")
        print("account #1 not created yet")
        print("=====")
        time.sleep(0.5)

    if b >= 0:
        print("=====")
        print("\t",name_b)
        print("\t",csb)
        print('\tYour Balance is ',bb,)
        print("\tThis is your Account Number :",b)
        print("\tCreated at",d1)
        print("=====")
        time.sleep(0.5)
    else:
        print("=====")
        print("account #2 not created yet")
        print("=====")
        time.sleep(0.5)

```

```
if c >= 0:
    print("=====")
    print("\t",name_c)
    print("\t",csc)
    print("\tYour Balance is ',cb,)
    print("\tThis is your Account Number :'",c)
    print("\tCreated at",d1)
    print("=====")
    time.sleep(0.5)
else:
    print("=====")
    print("account #3 not created yet")
    print("=====")
    time.sleep(0.5)

if d >= 0:
    print("=====")
    print("\t",name_d)
    print("\t",csd)
    print("\tYour Balance is ',db,)
    print("\tThis is your Account Number :'",d)
    print("\tCreated at",d1)
    print("=====")
    time.sleep(0.5)
else:
    print("=====")
    print("account #4 not created yet")
    print("=====")
    time.sleep(0.5)

if e >= 0:
    print("=====")
    print("\t",name_e)
    print("\t",cse)
    print("\tYour Balance is ',eb,)
    print("\tThis is your Account Number :'",e)
    print("\tCreated at",d1)
    print("=====")
```


CBS-PYTHON

```
    print("")
    print("")
    print("")
    print("")
    print("")
    break
    time.sleep(0.5)
else:
    print("=====")
    print("account #5 not created yet")
    print("=====")
    print("")
    print("")
    print("")
    print("")
    print("")
    break
    time.sleep(0.5)

elif option == 9:
    print('good bye...\n')
    chances = 0
    break

else:
    print('Please Enter a correct number. \n')
    restart = ('y')
```