**TOPIC:**

You task is to replicate the working of ATM for a single user, let’s say, Mr. John, who has already successfully logged into her account on the ATM Machine, now, we will program the next steps he may want to perform.

Like display his name and cash available in his savings account

Withdraw cash and display the status of the cash balance.

Deposit cash and display the status of the cash balance.

(Your task is to design and implement the ATM functionality by taking care of all constraints, for example if minimum cash available is less than 5000 then system will display low balance)

(Student is free to decide the input and output layout for this mini project)

import time as t

f=0

while True:

account no = eval (input ('Enter your account no.'))

print ()

account\_no1 = str (account no)

if account\_no1 in['9305616339','9262558599','8381071642','8630020177','6387629012','9302858844','9779898610','6386572729']:

if account\_no1 == '9305616339':

user\_pin = 6339

user\_balance = 97432.69

user\_name = 'Mr. Saurabh Singh'

print ('Welcome to your bank acount’, user\_name, end="\n\n")

f=1

break

elif account\_no1 == '6387629012':

user\_pin = 9012

user\_balance = 94621.69

user\_name = 'Mr. Amit Prajapati'

print ('Welcome to your bank acount’, user\_name, end="\n\n")

f=1

break

elif account\_no1 == '9302858844':

user\_pin = 8844

user\_balance = 104621.69

user\_name = 'Mr. Sujal Gupta'

print('Welcome to your bank acount’, user\_name, end="\n\n")

f=1

break

elif account\_no1 == '9779898610':

user\_pin = 8610

user\_balance = 804621.69

user\_name = 'Mr. Gurwinder Singh'

print('Welcome to your bank acount',user\_name,end="\n\n")

f=1

break

elif account\_no1 == '9262558599':

user\_pin = 8599

user\_balance = 84621.69

user\_name = 'Mr. Ashutosh Kumar Jha'

print('Welcome to your bank acount',user\_name,end="\n\n")

f=1

break

elif account\_no1 == '8381071642':

user\_pin = 1642

user\_balance = 84856.69

user\_name = 'Ms. Krithy Kumari'

print('Welcome to your bank acount',user\_name,end="\n\n")

f=1

break

elif account\_no1 == '8630020177':

user\_pin = 1177

user\_balance = 765611.69

user\_name = 'Ms. Roopali Sukhija'

print('Welcome to your bank acount',user\_name,end="\n\n")

f=1

break

elif account\_no1 == '6386572729':

user\_pin = 2729

user\_balance = 769911.69

user\_name = 'Ms. Anjali Rawat'

print('Welcome to your bank acount',user\_name,end="\n\n")

f=1

break

else:

print('This',account\_no,'Account no. not found in system')

print()

else:

print('This',account\_no,'Account no. not found in system')

print()

if f==1:

while True:

print('\t\t0. Logout and exit')

print('\t\t1. View Account Balance')

print('\t\t2. Withdraw Cash')

print('\t\t3. Deposit Cash')

print('\t\t4. Change PIN')

choice=int(input('Enter number to proceed > '))

print("\n\n")

if choice in (1,2,3,4):

num\_of\_tries = 3

while (num\_of\_tries!=0):

input\_pin = int(input('Please enter your 4-digit PIN > '))

if input\_pin == user\_pin:

print('Account auhtorized!\n\n')

if choice == 1:

print('Loading Account Balance...')

t.sleep(1.5)

print('Your current balance is Rs.',user\_balance,end='\n\n\n')

if user\_balance<5000:

print('Your balance is less than minimum amount')

break

elif choice == 2:

print('Opening Cash Withdrawal...')

t.sleep(1.5)

while (True):

withdraw\_amt = float(input('Enter the amount you wish to withdraw > '))

if withdraw\_amt>user\_balance:

print("Can't withdraw Rs.',withdraw\_amt")

print('Please enter a lower amount !')

Continue

else:

print('Withdrawing Rs.',withdraw\_amt)

confirm = input('Confirm? Y/N > ')

if confirm in ('Y','y'):

user\_balance-=withdraw\_amt

print('Amount withdraw - Rs.',withdraw\_amt)

print('Remaining balance - Rs.',user\_balance ,end='\n\n\n')

break

break

elif choice == 3:

print('Loading Cash Deposit...')

t.sleep(1.5)

deposit\_amt = float(input('Enter the amount you wish to deposit > '))

print('Depositing Rs.',deposit\_amt)

confirm = input('Confirm? Y/N > ')

if confirm in ('Y','y'):

user\_balance+=deposit\_amt

print('Amount deposited - Rs.',deposit\_amt)

print('Updated balance - Rs.',user\_balance,end = '\n\n\n')

else:

print('Cancelling transaction...')

t.sleep(1)

print('Transaction Cancelled!\n\n')

break

else:

print('Loading PIN Change...')

t.sleep(1.5)

pin\_new = int(input('Enter your new PIN'))

print('Changing PIN to ',pin\_new)

confirm = input('Confirm? Y/N > ')

if confirm in ('Y','y'):

user\_pin = pin\_new

print('PIN changed succesfully !\n\n')

else:

print('Cancelling PIN change...')

t.sleep(1)

print('Process Cancelled!\n\n')

break

else:

if input\_pin != user\_pin:

print('Invalid PIN\n')

num\_of\_tries-=1

else:

print('Exiting...')

t.sleep(2)

print('You have been logged out. Thank you!\n\n')

break

else:

print('Exiting...')

t.sleep(2)

print('You have been logged out. Thank you!\n\n')

break

elif choice==0:

print("Exiting...")

t.sleep(2)

print("You have been logged out. Thank you!\n\n")

break

else:

print('Invalid input!')

print('\t\t0. Enter 0 to Logout and Exit!')

break