

Name :Karthik.S

Batch No :57

Course :python

Mobile No :9080482029

Mail id :karthinaveen1202@gmail.com

## ATM MACHINE

```
import random
import mysql.connector
import datetime
dt=datetime.datetime.now()
print(dt)
mydb=mysql.connector.connect(
    host="localhost",
    user="root",
    password="Bas@404#mysql",
    database="python"
)
print("-----")
print("Please put your atm card on the machine")
print("Please enter atm pin number")
print("-----")
user=int(input("Enter your atm pin number : "))
if user==1111:
    print(f"you have correctly enter {user} your pin number")
    print("your transaction is getting processed")
    print("Don't remove your card untill prompted")
    user=str(input("Enter your language ENGLISH or TAMIL : "))
```

```

print("-----")
def Banking_Services():
    print("1<-Withdrawal")
    print("2<-Deposit")
    print("3<-Pin_Change")
    print("4<-Balance_Information")
    print("5<-Fast_cash")
    print("6<-View_BankingServices")
    print("-----")
    user=int(input("Enter your choice : "))
    if user==1:
        user=str(input("Enter you have withdrawal on CURRENT ACCOUNT or SAVINGS ACCOUNT : "))
        print("Your account is ", user)
        Date=datetime.datetime.now()
        print("Date :",Date)
        Time=dt.strftime("%l:%M:%S")
        print("normal_time :",Time)
        print("You have total amount is ",(random.randint(10000,99999)))
        print("Press yes button")
        print("Please enter again your atm pin number")
        user=int(input("Enter your atm pin number : "))
        if user==1111:
            print(f"you have correct enter {user} your atm pin number")
            mycursor=mydb.cursor()
            print("Continue")
            Withdrawal=int(input("Enter how much of you withdrawal amount : "))
            Date=datetime.datetime.now()
            print("Date :",Date)
            Time=dt.strftime("%l:%M:%S")

```

```

    print("normal_time :",Time)

    sql="insert into Banking_Services(Withdrawal,Date,Time) values (%s,%s,%s)"

    val=(Withdrawal,Date,Time)

    mycursor.execute(sql,val)

    mydb.commit()

    print(f"Successfully withdrawal {Withdrawal} amount")

else:

    print(f"you have wrongly enter {user} your atm pin number")

    print("-----")

elif user==2:

    mycursor=mydb.cursor()

    Date=datetime.datetime.now()

    print("Date :",Date)

    Time=dt.strftime("%I:%M:%S")

    print("normal_time :",Time)

    user=str(input("Enter you have deposit amount on CURRENT ACCOUNT or SAVINGS ACCOUNT : "))

    print("Your account is :", user)

    print("Put your amount on deposit place")

    print("Per day limit deposit on 20,000 only")

    print("Please deposit minimum of 180 notes per deposit transaction")

    print("-----")

    print("Please select the amount")

    Rs1=int(input("Enter how much of 100 Rs you have deposit : "))*100

    Rs2=int(input("Enter how much of 200 Rs you have deposit : "))*200

    Rs3=int(input("Enter how much of 500 Rs you have deposit : "))*500

    Rs4=int(input("Enter how much of 2000 Rs you have deposit : "))*2000

    Deposit=Rs1+Rs2+Rs4

    print("Press Confirm to deposit")

    print("-----")

```

```

print(f"Total amount {Deposit} deposit on your account successfully")
print("Your transaction is complete")
sql="insert into Banking_Services (Deposit,Date,Time) values (%s,%s,%s)"
val=(Deposit,Date,Time)
mycursor.execute(sql,val)
mydb.commit()
print(f"you have successfully deposit {Deposit} amount on your account")
print("-----")
elif user==3:
    mycursor=mydb.cursor()
    Date=datetime.datetime.now()
    print("Date :",Date)
    Time=dt.strftime("%I:%M:%S")
    print("normal_time :",Time)
    New=int(input("Enter your new atm pin : "))
    Old=int(input("Enter your old atm pin : "))
    print(f"your new pin {New} changed successfully")
    print("-----")
elif user==4:
    mycursor=mydb.cursor()
    user=str(input("Enter you have seen balance on CREDIT or CURRENT or SAVINGS : "))
    print("Your account is :",user)
    Date=datetime.datetime.now()
    print("Date :",Date)
    Time=dt.strftime("%I:%M:%S")
    print("normal_time :",Time)
    Balance_Information=random.randint(10000,99999)
    print("Available balance :",Balance_Information)
    sql="insert into Banking_Services (Balance_Information,Date,Time) values (%s,%s,%s)"

```

```

val=(Balance_Information,Date,Time)

mycursor.execute(sql,val)

mydb.commit()

print(f"Successfully viewed your {Balance_Information} balance")

print("-----")

elif user==5:

    mycursor=mydb.cursor()

    Date=datetime.datetime.now()

    print("Date :",Date)

    Time=dt.strftime("%I:%M:%S")

    print("normal_time :",Time)

    user=input("Do you want a receipt for this transactions yes or no : ")

    print("Fast_cash :",user)

    print("Please select the amount")

    Rs=10000

    Fast_cash=Rs

    print("Please enter Rs")

    print("Press confirm to fast cash")

    sql="insert into Banking_Services (Date,Time,Fast_cash) values (%s,%s,%s)"

    val=(Date,Time,Fast_cash)

    mycursor.execute(sql,val)

    mydb.commit()

    print(f"Your fast cash is {Rs} successfully transaction")

    print("-----")

elif user==6:

    mycursor=mydb.cursor()

    Date=datetime.datetime.now()

    print("Date :",Date)

    Time=dt.strftime("%I:%M:%S")

```

```

        print("normal_time :",Time)

        mycursor.execute("select*from Banking_Services")

        result=mycursor.fetchall()

        for i in result:

            print(i)

        print("Successfully viewed your banking services")

        print("-----")

        Banking_Services()

    else:

        print(f"you have wrongly enter {user} your pin number")

        print("-----")

        print("Your transaction is complete")

        print("Thank you ")

```

OUTUT:

2022-09-19 06:45:46.002978

-----

Please put your atm card on the machine

Please enter atm pin number

-----

Enter your atm pin number : 1111

you have correctly enter 1111 your pin number

your transaction is getting processed

Don't remove your card untill prompted

Enter your language ENGLISH or TAMIL : english

-----

1<-Withdrawal

2<-Deposit

3<-Pin\_Change

4<-Balance\_Information

5<-Fast\_cash

6<-View\_BankingServices

-----

Enter your choice : 1

Enter you have withdrawal on CURRENT ACCOUNT or SAVINGS ACCOUNT : savings account

Your account is savings account

Date : 2022-09-19 06:46:14.475066

normal\_time : 06:45:46

You have total amount is 55485

Press yes button

Please enter again your atm pin number

Enter your atm pin number : 1111

you have correct enter 1111 your atm pin number

Continue

Enter how much of you withdrawal amount : 10000

Date : 2022-09-19 06:46:32.316509

normal\_time : 06:45:46

Successfully withdrawal 10000 amount

-----

Your transaction is complete

Thank you

2022-09-19 06:51:39.504535

-----

Please put your atm card on the machine

Please enter atm pin number

-----

Enter your atm pin number : 1111

you have correctly enter 1111 your pin number

your transaction is getting processed

Don't remove your card untill prompted

Enter your language ENGLISH or TAMIL : english

-----

1<-Withdrawal

2<-Deposit

3<-Pin\_Change

4<-Balance\_Information

5<-Fast\_cash

6<-View\_BankingServices

-----

Enter your choice : 2

Date : 2022-09-19 06:51:49.372220

normal\_time : 06:51:39

Enter you have deposit amount on CURRENT ACCOUNT or SAVINGS ACCOUNT : savings account

Your account is : savings account

Put your amount on deposit place

Per day limit deposit on 20,000 only

Please deposit minimum of 180 notes per deposit transaction

-----

Please select the amount

Enter how much of 100 Rs you have deposit : 0

Enter how much of 200 Rs you have deposit : 0

Enter how much of 500 Rs you have deposit : 5

Enter how much of 2000 Rs you have deposit : 2

Press Confirm to deposit

-----



Total amount 4000 deposit on your account successfully

Your transaction is complete

you have successfully deposit 4000 amount on your account

-----

Your transaction is complete

Thank you

2022-09-19 06:57:36.414783

-----

Please put your atm card on the machine

Please enter atm pin number

-----

Enter your atm pin number : 1111

you have correctly enter 1111 your pin number

your transaction is getting processed

Don't remove your card untill prompted

Enter your language ENGLISH or TAMIL : english

-----

1<-Withdrawal

2<-Deposit

3<-Pin\_Change

4<-Balance\_Information

5<-Fast\_cash

6<-View\_BankingServices

-----

Enter your choice : 4

Enter you have seen balance on CREDIT or CURRENT or SAVINGS : savings

Your account is : savings

Date : 2022-09-19 06:57:54.831340

normal\_time : 06:57:36

Available balance : 25676

Successfully viewed your 25676 balance

-----

-----

Your transaction is complete

Thank you

2022-09-19 06:53:28.789234

-----

Please put your atm card on the machine

Please enter atm pin number

-----

Enter your atm pin number : 1111

you have correctly enter 1111 your pin number

your transaction is getting processed

Don't remove your card untill prompted

Enter your language ENGLISH or TAMIL : english

-----

1<-Withdrawal

2<-Deposit

3<-Pin\_Change

4<-Balance\_Information

5<-Fast\_cash

6<-View\_BankingServices

-----

Enter your choice : 6

Date : 2022-09-19 06:53:40.781145

normal\_time : 06:53:28

(2000, None, None, None, datetime.date(2022, 9, 18), datetime.timedelta(seconds=30375), None)  
(7000, None, None, None, datetime.date(2022, 9, 18), datetime.timedelta(seconds=38252), None)  
(10000, None, None, None, datetime.date(2022, 9, 19), datetime.timedelta(seconds=24346), None)  
(None, 2300, None, None, datetime.date(2022, 9, 19), datetime.timedelta(seconds=24478), None)  
(None, 4000, None, None, datetime.date(2022, 9, 19), datetime.timedelta(seconds=24699), None)

Successfully viewed your banking services

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Your transaction is complete

Thank you