COMPUTER SCIENCE HOLIDAY PROJECT~

MENU DRIVEN PROGRAM

PREPARED BY~

Vikranth Udandarao (roll no.~ 38)

Partnered with

JAINEEL SAMPAT (ROLL~ 15)

CLASS~ 12 A

ACKNOWLEDGEMENT

The success of any project depends largely on the encouragement and guidelines of mentors and peers. I take this opportunity to express my gratitude to those people who have been instrumental in the successful completion of this project.

We sincerely acknowledge the contribution of the individuals who immensely contributed in bringing the project to this level who continued to guide us tirelessly despite our flaws. we express our deep sense of gratitude to the Principal of ISWK who has been continuously motivating and extending his helping hand to us.

We express our sincere thanks to the Vice Principal of ISWK for constant encouragement and the guidance provided during this project

We express our thanks to the Administrative Officer for providing us the infrastructure and moral support while carrying out this project in the school.

Our sincere thanks to Jagdeesh S Patil, Master In-charge, a guide and a mentor who critically reviewed our project and helped us endlessly in solving every problem that occurred during the implementation of the project.

The guidance and support received from all other members who have contributed and are contributing to this project is vital for the success of the project. We are grateful to them for their constant support and help.

.

INTRODUCTION

This project is based on ATM management.

Today one cannot afford to rely on human beings against merciless competition where it is not wise to say “to err is human”. It is no longer valid and out-dated to rationalize mistakes. Software has been an ascent in various organisations. Many software products working are now in markets, which have helped in making organizations work efficiently. Data management initially had to maintain a lot of paperwork, but now software production has made their work faster and easier. Now, this software has to be loaded on the computer and work can be done.

This prevents a lot of time and saves a lot of money. The work becomes fully automated and any information regarding the organization can be obtained by the click a button.

WHAT IS PYTHON?

Python is an interpreted, object-oriented, high-level programming language. It's built in data structures, combined with dynamic typing and binding; makes it attractive for Application Development, as well as for use as a scripting language to connect existing components together.

WHY PYTHON?

Python is simple

It's easy to learn syntax emphasizes readability and reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed.

PYTHON: A PROGRAMMER'S COMPANION

Often, programmers fall in love with Python as of the increased productivity it provides. There's no compilation step and the edit-test-debug cycle is fast. Debugging Python programs is easy: a bug will never cause a segmentation fault. Instead, when the interpreter discovers an error, it raises an exception. When the program doesn't catch the exception, the interpreter prints a stack trace. A source level debugger allows inspection of local and global variables, evaluation of arbitrary expressions, setting breakpoints, stepping through the code a line at a time, and so on. The debugger is written in Python itself, testifying to Python's introspective power.

NOTE- The quickest way to debug a program is to add a few print statements to the source: the fast edit-test-debug cycle makes this simple approach effective.


Top Companies Using Python
NETFLIX
JPMorganChase
YouTube
pandora
Bitbucket
shutterstock
facebook
Vine
yelp
UBER
Google
asana
freelancer
Quora
twilio
amazon
Expedia
Spotify
reddit
hike
YAHOO!
NOKIA
SendGrid
redis
trivago
mozilla
A dog
"""
image = games.load_image("kg.png")
def __init__(self):
""" Initialize Dog object and create Text
super(Dog, self).__init__(image = Dog.image
x = games.mouse.
bottom = games.
self.score = games.Text(value = 0, size =
top = 5, right =

WHAT IS MYSQL?

MySQL is a relational database management system (RDBMS) that is based on structured query language (SQL). It has the set of software tools used to actually implement, manage, and query a database.

WHY MYSQL?

MySQL is integral to many of the most popular software stacks for building and maintaining everything from customer-facing web applications to powerful, data-driven B2B services (Business to Business services). Its open-source nature, stability, and rich feature set, , have meant that internet-critical organizations such as Facebook, Twitter, Wikipedia, and YouTube all employ MySQL backends

Though MySQL's relational nature and the ensuing rigid storage structures might seem restrictive, the tabular paradigm is perhaps the most intuitive, and ultimately allows for greater usability.

In fact, MySQL makes many concessions to supporting the widest possible variety of data structures, from the standard but rich logical, numeric, alphanumeric, date, and time types, to more advanced JSON or geospatial data. Beyond mere data types and an expansive built-in feature set, the MySQL ecosystem also includes a variety of tools, easing everything from server management to reporting and data analysis.

MYSQL: A PROGRAMMER'S COMPANION

Regardless of the RDBMS's overarching architecture, users can invariably find a MySQL feature allowing them to model and codify data how they wish. MySQL remains one of the most straightforward database technologies to learn and use.

Any individual or enterprise may freely use, modify, publish, and expand on Oracle's open-source MySQL code base.


```
hg$
hg$ mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.17 MySQL Community Server - GPL

Copyright (c) 2000, 2019, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> USE test;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> SHOW tables;
+----------------------------------------------+
| Tables_in_test                               |
+----------------------------------------------+
```


```
import mysql.connector


# GLOBAL VARIABLES DECLARATION
myConnnection =""
cursor=""
userName=""
password =""
cid=""


#MODULE TO CHECK  MYSQL CONNECTIVITY
def MYSQLconnectionCheck ():


   global myConnection
   global userName
   global password


   userName = input("\n ENTER MYSQL SERVER'S USERNAME : ")
   password = input("\n ENTER MYSQL SERVER'S PASSWORD : ")


   myConnection=mysql.connector.connect(host="localhost",user=userName,passwd=password ,
auth_plugin='mysql_native_password' )
   if myConnection:
```

```
        print("\n CONGRATULATIONS ! YOUR MYSQL CONNECTION HAS BEEN ESTABLISHED !")
        cursor=myConnection.cursor()
        cursor.execute("CREATE DATABASE IF NOT EXISTS ATM")
        cursor.execute("COMMIT")
        cursor.close()
        return myConnection
    else:
        print("\nERROR ESTABLISHING MYSQL CONNECTION CHECK USERNAME AND PASSWORD !")


#MODULE TO ESTABLISHED  MYSQL CONNECTION
def MYSQLconnection ():

    global userName
    global password
    global myConnection

    myConnection=mysql.connector.connect(host="localhost",user=userName,passwd=password ,
database="ATM" , auth_plugin='mysql_native_password' )
    if myConnection:
        return myConnection
    else:
        print("\nERROR ESTABLISHING MYSQL CONNECTION !")
        myConnection.close()

# MODULE TO CREATE NEW CUSATOMER
def newCustomer():
    global cid
    if myConnection:
        cursor=myConnection.cursor()
        createTable ="""CREATE TABLE IF NOT EXISTS CUSTOMER(CID VARCHAR(10) PRIMARY KEY
,CNAME VARCHAR(30) NOT NULL
```

```
                ,ADDRESS VARCHAR(30)NOT NULL ,PHONE VARCHAR(12) NOT NULL)
              """
        cursor.execute(createTable)
        print("\nPlease Fill All The Information Carefully !")
        cid=input("Please Enter Customer ID  :  ")
        cname=input("Please Enter Customer Name  :  ")
        address=input("Please Enter Customer Address  :  ")
        phone=input("Please Enter Customer Contact No.  :  ")
        sql='INSERT INTO CUSTOMER(cid,cname,address,phone) values(%s,%s,%s,%s)'
        values=(cid,cname,address,phone)
        cursor.execute(sql,values)
        cursor.execute("COMMIT")
        cursor.close()
        print("\nNew Customer Added Successfully !")


# MODULE TO DISPLAY CUSTOMER INFORMATION :
def displayAllCustomer():
    if myConnection:
        cursor=myConnection.cursor()
        cursor.execute("SELECT * FROM CUSTOMER")
        data = cursor.fetchall()
        if data:
            print("\n*****DETAILS OF ALL CUSTOMER*****")
            print(data)
        else:
            print("Sorry ! No Record Found  , Please Try Again ! ")
    else:
        print("\nERROR ESTABLISHING MYSQL CONNECTION !")
```

```
# MODULE TO SEARCH A CUSTOMER
def searchCustomer():
    global cid
    if myConnection:
        cursor=myConnection.cursor()
        cid=input("Please Enter Customer ID  :  ")
        sql="SELECT * FROM CUSTOMER WHERE CID = %s"
        values=(cid,)
        data=cursor.execute(sql,values)
        data = cursor.fetchall()
        if data:
            print("\n*****CUSTOMER DETAILS*****")
            print(data)
        else:
            print("Sorry ! Customer NOT Found  , Please Try Again ! ")
    else:
        print("\nSomthing Went Wrong ,Please Try Again !")



# MODULE TO OPEN A NEW ACCOUNT
def newAccount():
    global cid
    if myConnection:
        cursor=myConnection.cursor()
```

```
        createTable ="""CREATE TABLE IF NOT EXISTS ACCOUNT(CID VARCHAR(10),ACCOUNT_NO INT
PRIMARY KEY
                    ,ACCOUNT_TYPE VARCHAR(20) NOT NULL ,AMOUNT INT NOT NULL , PIN INT NOT NULL
UNIQUE)
                """
        cursor.execute(createTable)
        account_no=int(input("PLEASE ENTER THE ACCOUNT NUMBER [0-9]:  "))
        account_type=input("PLEASE ENTER THE ACCOUNT TYPE [ S-SAVING / C - CURRENT  :  ")
        amount=int(input("PLEASE ENTER THE AMOUNT TO DEPOSIT  :  "))
        ATM_pin=int(input("PLEASE ENTER THE ATM PIN [ FOUR DIGITIS ONLY ]  :  "))
        sql='INSERT INTO ACCOUNT (cid,account_no,account_type,amount ,pin) VALUES
(%s,%s,%s,%s,%s)'
        values1=(cid,account_no,account_type,amount,ATM_pin)
        cursor.execute(sql,values1)
        cursor.execute("COMMIT")
        print("\nNew Account Opend Successfully !")
      else:
         print("Sorry ! Customer NOT Found  , Please Try Again ! ")


   else:
      print("\nSomthing Went Wrong ,Please Try Again !")



# MODULE TO DISPLAY ALL ACCOUNTS
def displayAllAccounts():


   if myConnection:
      cursor=myConnection.cursor()
      cursor.execute("SELECT * FROM ACCOUNT")
      data = cursor.fetchall()
      if data:
         print("\n*****DETAILS OF ALL CUSTOMER*****")
```

```
            print(data)
        else:
            print("Sorry ! No Account Information  , Please Try Again ! ")
    else:
        print("\nERROR ESTABLISHING MYSQL CONNECTION !")


# MODULE TO SEARCH AN ACCOUNT
def searchAccount():
    global cid
    if myConnection:
        cursor=myConnection.cursor()
        cid=input("PLEASE ENTER CUSTOMER ID  :  ")
        account_no=int(input("PLEASE ENTER THE ACCOUNT NUMBER [0-9]:  "))
        sql="SELECT * FROM ACCOUNT WHERE CID = %s AND ACCOUNT_NO =%
        values=(cid,account_no)
        data=cursor.execute(sql,values)
        data = cursor.fetchall()
        if data:
            print("\n*****CUSTOMER ACCOUNT DETAILS*****")
            print(data)
        else:
            print("Sorry ! Account Infromation NOT Found  , Please Try Again ! ")
    else:
        print("Somthing Went Wrong ,Please Try Again !")


# MODULE TO WITHDRAW AMOUNT
def withdrawAmount():
    count =3
    if myConnection:
```

```
cursor=myConnection.cursor()
account_no=int(input("PLEASE ENTER THE ACCOUNT NUMBER [0-9]:  "))
sql="SELECT * FROM ACCOUNT WHERE ACCOUNT_NO =%s"
values=(account_no,)
data=cursor.execute(sql,values)
data = cursor.fetchall()
if data:
 while True:
  ATM_PIN=int(input("PLEASE ENTER THE ATM PIN - ONLY 3 ATTEMPTS ARE ALLOWED  :  "))
  sql='SELECT * FROM ACCOUNT WHERE PIN = %s'
  values=(ATM_PIN,)
  cursor.execute(sql,values)
  data = cursor.fetchall()
  if data:
     amount=int(input("PLEASE ENTER AMOUNT TO WITHDRAW  :  "))
     sql='UPDATE ACCOUNT SET AMOUNT = AMOUNT - %s'
     cursor.execute(sql ,(amount,))
     cursor.execute("COMMIT")
     print("******* TRANSACTION SUCCESSFULLY COMPLETED ! *******")
     print("***** PLEASE TAKE ONEY AND REMOVE YOUR CARD ! *****")
     break
  else:
     print("Wrong Pin ! Please enter a Valid PIN")
     count=count-1
     print("You are left with only ",count ,"Attempts")
  if count == 0:
     print("Your Card has been Blocked , Please Visit the Branch to activate it")
     break
else:
  print("Sorry ! Account Infromation NOT Found  , Please Try Again ! ")
```

```
#STARTING POINT OF THE SYSTEM


myConnection = MYSQLconnectionCheck ()
if myConnection:
 MYSQLconnection ()
 while(1):
   print("\n!=========================**********=======================!")


   print("!       PLEASE ENTER 1 FOR NEW USER                    !")
   print("!       PLEASE ENTER 2 TO DISPLAY ALL CUSTOMERS          !")
   print("!       PLEASE ENTER 3 TO SEARCH A CUSTOMER             !")
   print("!       PLEASE ENTER 4 TO OPEN NEW ACCOUNT              !")
   print("!       PLEASE ENTER 5 TO DISPLAY ALL ACCOUNTS          !")
   print("!       PLEASE ENTER 6 TO SEARCH AN ACCOUNT             !")
   print("!       PLEASE ENTER 7 TO WITHDRAW AMOUNT               !")

  print("!       PLEASE ENTER 8 TO EXIT                         !")
  print("!       PLEASE ENTER 0 FOR HELP                         !")
  print("\n!============================*****END*****====================!")
  choice = int(input("\n Please Enter Your Choice  :  "))
  if choice == 1:
     newCustomer()
  elif choice == 2:
     displayAllCustomer()
  elif choice == 3:
     searchCustomer()
  elif choice == 4:
     newAccount()
  elif choice==5:
     displayAllAccounts()
```

```
    elif choice==6:
        searchAccount()
    elif choice==7:
        withdrawAmount()
    elif choice==8:
        break
    elif choice==0:
         helpMe()
    else:
        print("Sorry ,May Be You Are Giving Me Wrong Input, Please Try Again !!!  ")
else:
  print("Check Your MYSQL Connection First !!!  ")
```

NEW USER

Python 3.7.0 Shell

File Edit Shell Debug Options Window Help

```
 CONGRATULATIONS ! YOUR MYSQL CONNECTION HAS BEEN ESTABLISHED !

!=========================**********=========================!
!          PLEASE ENTER 1 FOR NEW USER                       !
!          PLEASE ENTER 2 TO DISPLAY ALL CUSTOMERS           !
!          PLEASE ENTER 3 TO SEARCH A CUSTOMER               !
!          PLEASE ENTER 4 TO OPEN NEW ACCOUNT                !
!          PLEASE ENTER 5 TO DISPLAY ALL ACCOUNTS            !
!          PLEASE ENTER 6 TO SEARCH AN ACCOUNT               !
!          PLEASE ENTER 7 TO WITHDRAW AMOUNT                 !
!          PLEASE ENTER 8 TO EXIT                            !
!          PLEASE ENTER 0 FOR HELP                           !

!============================*****END*****====================!

 Please Enter Your Choice  :  1

Please Fill All The Information Carefully !
Please Enter Customer ID  :  123
Please Enter Customer Name  :  AKSHIT
Please Enter Customer Address  :  PALAMPUR
Please Enter Customer Contact No.  :  88925656

New Customer Added Successfully !

!=========================**********=========================!
!          PLEASE ENTER 1 FOR NEW USER                       !
!          PLEASE ENTER 2 TO DISPLAY ALL CUSTOMERS           !
!          PLEASE ENTER 3 TO SEARCH A CUSTOMER               !
!          PLEASE ENTER 4 TO OPEN NEW ACCOUNT                !
!          PLEASE ENTER 5 TO DISPLAY ALL ACCOUNTS            !
!          PLEASE ENTER 6 TO SEARCH AN ACCOUNT               !
!          PLEASE ENTER 7 TO WITHDRAW AMOUNT                 !
!          PLEASE ENTER 8 TO EXIT                            !
!          PLEASE ENTER 0 FOR HELP                           !

!============================*****END*****====================!

 Please Enter Your Choice  :
```

Ln: 39 Col: 0

DISPLAYING CUSTOMER DETAILS

```
 Please Enter Your Choice  :  2

*****DETAILS OF ALL CUSTOMER*****
[('123', 'AKSHIT', 'PALAMPUR', '88925656')]

!=========================************=======================!
!         PLEASE ENTER 1 FOR NEW USER                          !
!         PLEASE ENTER 2 TO DISPLAY ALL CUSTOMERS              !
!         PLEASE ENTER 3 TO SEARCH A CUSTOMER                  !
!         PLEASE ENTER 4 TO OPEN NEW ACCOUNT                   !
!         PLEASE ENTER 5 TO DISPLAY ALL ACCOUNTS               !
!         PLEASE ENTER 6 TO SEARCH AN ACCOUNT                  !
!         PLEASE ENTER 7 TO WITHDRAW AMOUNT                    !
!         PLEASE ENTER 8 TO EXIT                               !
!         PLEASE ENTER 0 FOR HELP                              !

!============================*****END*****====================!

 Please Enter Your Choice  :
```

Ln: 73

SEARCHING A CUSTOMER

```
!=========================************=======================!
!          PLEASE ENTER 1 FOR NEW USER                         !
!          PLEASE ENTER 2 TO DISPLAY ALL CUSTOMERS             !
!          PLEASE ENTER 3 TO SEARCH A CUSTOMER                 !
!          PLEASE ENTER 4 TO OPEN NEW ACCOUNT                  !
!          PLEASE ENTER 5 TO DISPLAY ALL ACCOUNTS              !
!          PLEASE ENTER 6 TO SEARCH AN ACCOUNT                 !
!          PLEASE ENTER 7 TO WITHDRAW AMOUNT                   !
!          PLEASE ENTER 8 TO EXIT                              !
!          PLEASE ENTER 0 FOR HELP                             !

!============================*****END*****====================!

 Please Enter Your Choice  :  3
Please Enter Customer ID  :  123

*****CUSTOMER DETAILS*****
[('123', 'AKSHIT', 'PALAMPUR', '88925656')]
```

OPENING NEW ACCOUNT

```
!=============================************=========================!
!          PLEASE ENTER 1 FOR NEW USER                              !
!          PLEASE ENTER 2 TO DISPLAY ALL CUSTOMERS                  !
!          PLEASE ENTER 3 TO SEARCH A CUSTOMER                      !
!          PLEASE ENTER 4 TO OPEN NEW ACCOUNT                       !
!          PLEASE ENTER 5 TO DISPLAY ALL ACCOUNTS                   !
!          PLEASE ENTER 6 TO SEARCH AN ACCOUNT                      !
!          PLEASE ENTER 7 TO WITHDRAW AMOUNT                        !
!          PLEASE ENTER 8 TO EXIT                                   !
!          PLEASE ENTER 0 FOR HELP                                  !

!==============================*****END*****=======================!

 Please Enter Your Choice  :  4
Please Enter Customer ID  :  123
PLEASE ENTER THE ACCOUNT NUMBER [0-9]:  213548497
PLEASE ENTER THE ACCOUNT TYPE [ S-SAVING / C - CURRENT  :  S
PLEASE ENTER THE AMOUNT TO DEPOSIT  :  21045
PLEASE ENTER THE ATM PIN [ FOUR DIGITIS ONLY ]  :  1111

New Account Opend Successfully !
```

DISPLAYING ALL ACCOUNTS

```
 Please Enter Your Choice  :  5

*****DETAILS OF ALL CUSTOMER*****
[('123', 213548497, 'S', 21045, 1111)]

!=============================************=========================!
!          PLEASE ENTER 1 FOR NEW USER                              !
!          PLEASE ENTER 2 TO DISPLAY ALL CUSTOMERS                  !
!          PLEASE ENTER 3 TO SEARCH A CUSTOMER                      !
!          PLEASE ENTER 4 TO OPEN NEW ACCOUNT                       !
!          PLEASE ENTER 5 TO DISPLAY ALL ACCOUNTS                   !
!          PLEASE ENTER 6 TO SEARCH AN ACCOUNT                      !
!          PLEASE ENTER 7 TO WITHDRAW AMOUNT                        !
!          PLEASE ENTER 8 TO EXIT                                   !
!          PLEASE ENTER 0 FOR HELP                                  !

!==============================*****END*****=======================!

 Please Enter Your Choice  :
```

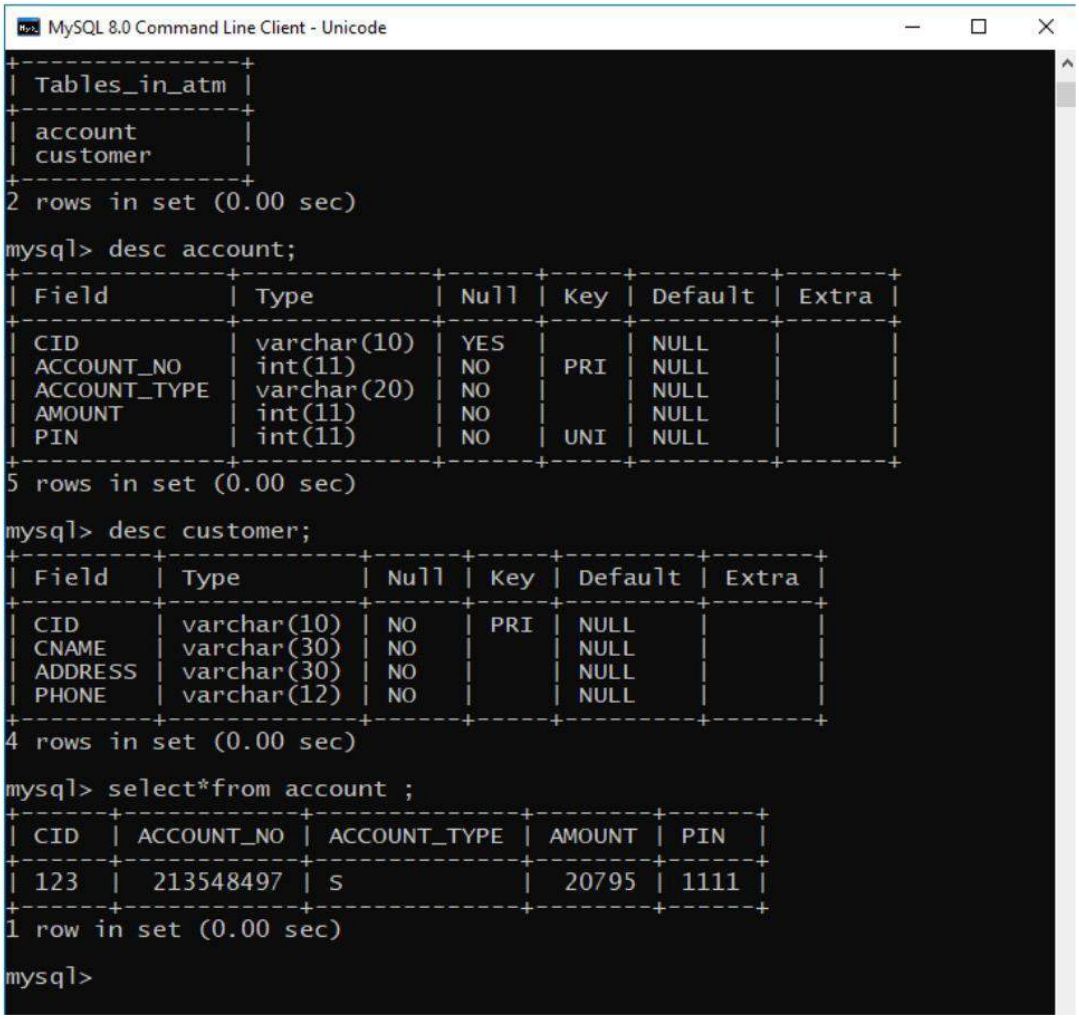
SEARCHING ACCOUNT

```
 Please Enter Your Choice  :  6
PLEASE ENTER CUSTOMER ID  :  123
PLEASE ENTER THE ACCOUNT NUMBER [0-9]:  213548497

*****CUSTOMER ACCOUNT DETAILS*****
[('123', 213548497, 'S', 21045, 1111)]

!=========================**********=======================!
!         PLEASE ENTER 1 FOR NEW USER                       !
!         PLEASE ENTER 2 TO DISPLAY ALL CUSTOMERS           !
!         PLEASE ENTER 3 TO SEARCH A CUSTOMER               !
!         PLEASE ENTER 4 TO OPEN NEW ACCOUNT                !
!         PLEASE ENTER 5 TO DISPLAY ALL ACCOUNTS            !
!         PLEASE ENTER 6 TO SEARCH AN ACCOUNT               !
!         PLEASE ENTER 7 TO WITHDRAW AMOUNT                 !
!         PLEASE ENTER 8 TO EXIT                            !
!         PLEASE ENTER 0 FOR HELP                           !

!============================*****END*****=================!

 Please Enter Your Choice  :
```

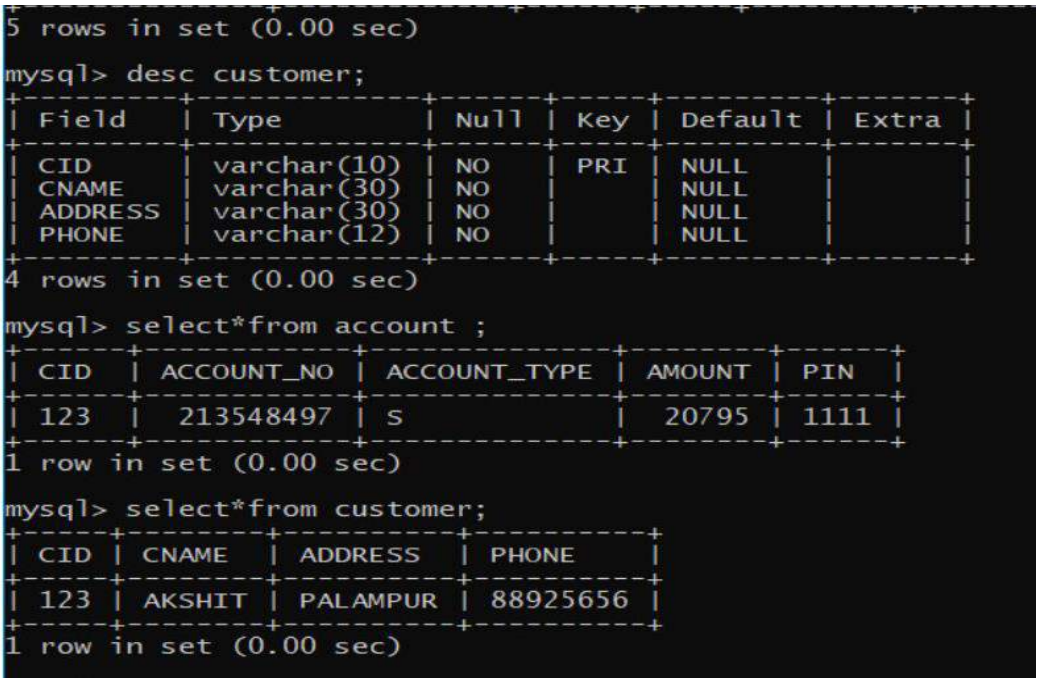
WITHDRAWING ACCOUNT

```
 Please Enter Your Choice  :  7
PLEASE ENTER THE ACCOUNT NUMBER [0-9]:  213548497
PLEASE ENTER THE ATM PIN - ONLY 3 ATTEMPTS ARE ALLOWED  :  1111
PLEASE ENTER AMOUNT TO WITHDRAW  :  250
******* TRANSACTION SUCCESSFULLY COMPLETED ! *******
***** PLEASE TAKE ONEY AND REMOVE YOUR CARD ! *****

!=========================**********=======================!
!         PLEASE ENTER 1 FOR NEW USER                       !
!         PLEASE ENTER 2 TO DISPLAY ALL CUSTOMERS           !
!         PLEASE ENTER 3 TO SEARCH A CUSTOMER               !
!         PLEASE ENTER 4 TO OPEN NEW ACCOUNT                !
!         PLEASE ENTER 5 TO DISPLAY ALL ACCOUNTS            !
!         PLEASE ENTER 6 TO SEARCH AN ACCOUNT               !
!         PLEASE ENTER 7 TO WITHDRAW AMOUNT                 !
!         PLEASE ENTER 8 TO EXIT                            !
!         PLEASE ENTER 0 FOR HELP                           !

!============================*****END*****=================!

 Please Enter Your Choice  :
```

BACKEND DATA GENERATED



```
MySQL 8.0 Command Line Client - Unicode

+---------------+
| Tables_in_atm |
+---------------+
| account       |
| customer      |
+---------------+
2 rows in set (0.00 sec)

mysql> desc account;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| CID          | varchar(10) | YES  |     | NULL    |       |
| ACCOUNT_NO   | int(11)     | NO   | PRI | NULL    |       |
| ACCOUNT_TYPE | varchar(20) | NO   |     | NULL    |       |
| AMOUNT       | int(11)     | NO   |     | NULL    |       |
| PIN          | int(11)     | NO   | UNI | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> desc customer;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| CID     | varchar(10) | NO   | PRI | NULL    |       |
| CNAME   | varchar(30) | NO   |     | NULL    |       |
| ADDRESS | varchar(30) | NO   |     | NULL    |       |
| PHONE   | varchar(12) | NO   |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> select*from account ;
+------+------------+--------------+--------+------+
| CID  | ACCOUNT_NO | ACCOUNT_TYPE | AMOUNT | PIN  |
+------+------------+--------------+--------+------+
| 123  |  213548497 | S            |  20795 | 1111 |
+------+------------+--------------+--------+------+
1 row in set (0.00 sec)

mysql>
```



```
5 rows in set (0.00 sec)

mysql> desc customer;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| CID     | varchar(10) | NO   | PRI | NULL    |       |
| CNAME   | varchar(30) | NO   |     | NULL    |       |
| ADDRESS | varchar(30) | NO   |     | NULL    |       |
| PHONE   | varchar(12) | NO   |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> select*from account ;
+------+------------+--------------+--------+------+
| CID  | ACCOUNT_NO | ACCOUNT_TYPE | AMOUNT | PIN  |
+------+------------+--------------+--------+------+
| 123  |  213548497 | S            |  20795 | 1111 |
+------+------------+--------------+--------+------+
1 row in set (0.00 sec)

mysql> select*from customer;
+-----+--------+----------+----------+
| CID | CNAME  | ADDRESS  | PHONE    |
+-----+--------+----------+----------+
| 123 | AKSHIT | PALAMPUR | 88925656 |
+-----+--------+----------+----------+
1 row in set (0.00 sec)
```

SOURES

1- **CODE ACADEMY**
2- **LAYAK.IN**
3- **TUTORIALSPOINT.COM**
4- **PYTHONCHALLENGE.COM**
5- **LEARNPYTHON.ORG**

For I in range(1,100):
print(“thank you!”)