

**#COMPUTER SCIENCE PROJECT#**

**SESSION:2021-22**

**BANK MANAGEMENT SYSTEM**

**IN MYSQL & PYTHON**

**BY KRISH GAUR(XII-A)**

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## DECLARATION

I hereby declare that this Project Report titled “Bank Management System” submitted to the Department of Computer Science, DPS Sonepat, is a record of original work done by me under the guidance of my supervisor Mr. Prabhuji Gupta.

This Project Report is not submitted to any other school, university or institution for the award of any degree, diploma or published any time before.

Submitted by:

**Krish Gaur**

## CERTIFICATE

Certified that the work contained in the project titled “BANK MANAGEMENT SYSTEM”

by Krish Gaur of class XII-A has been carried out under my supervision.

This project started in June of 2021 and was completed in the month of November,2021.

Certified By:

Mr.Prabhuji Gupta

Computer Science Teacher

## ACKNOWLEDGEMENT

For the following project, I would like to express my sincere gratitude to my Computer Science teacher Mr.Prabhuji Gupta, for the continuous support of my python project. His immense knowledge and guidance helped me in all the time of research.

My sincere regards to my school and CBSE for leading me to work on such diverse and exciting projects.

Last but not least, I would like thank my Mother for supporting me throughout the project.

## ABOUT THE PROJECT

## BANK MANAGEMENT SYSTEM

This is an interactive interface which helps you to manage and view all of your Bank status. It can help you login or sign in to your Database. It can help you setup a new account, view previous deposit and withdraw amount and will even help you to close an account.

### PYTHON:FILES & FUNCTIONS

**MODULES:**

* Import MySql for Database connectivity
* Import PrettyTable for PrettyTable

**FUNCTIONS:**

* **Connect()**
* **Execute()**
* **Login()**
* **Signup()**
* **Fetchall()**
* **Cursor()**

#### CODING:

def login():

username=input("USERNAME:")

password=input("PASSWORD:")

mycursor=mydatabase.cursor()

mycursor.execute("select username from signup")

user1=mycursor.fetchall()

mydatabase.commit()

user2=[]

for i in range(len(user1)):

user2.append(user1[i][0])

mycursor=mydatabase.cursor()

mycursor.execute("select password from signup")

pwd1=mycursor.fetchall()

pwd2=[]

for i in range(len(pwd1)):

pwd2.append(pwd1[i][0])

mydatabase.commit()

if(username not in user2)or(password not in pwd2):

print("Wrong Username or Password! Try Again")

f=1

while True:

f=int(input("Press 1 for trying again\nPress 2 for exit:"))

if f==1:

login()

else:

exit()

else:

mycursor=mydatabase.cursor()

mycursor.execute("select username from signup from where username="+username+"")

user=mycursor.fetchone()

mycursor.execute("select password from signup from where password="+password+"")

pwd=mycursor.fetchone()

print("\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*+++LOGIN SUCESSFULLY+++\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

mydatabase.commit()

while True:

print(' Press I for open new account')

print(' Press 2 for deposite amount')

print(' Press 3 for withdraw amount')

print(' Press 4 for balance enquiry')

print(' Press 5 for customer details')

print(' Press 6 for information updation')

print(' Press 7 for close account')

print(' Press 8 for to show data/information')

print(' Press any key for EXIT')

a=int(input('Enter your Value:'))

if a==1:

openacc()

elif(a==2):

dep()

elif(a==3):

withdraw()

elif(a==4):

bal\_enq()

elif(a==5):

cust\_det()

elif(a==6):

update()

elif(a==7):

close()

elif(a==8):

show()

else:

print('\t\t\t\tTHANK YOU')

break

def openacc():

name=input('Enter full name of owner:')

acc\_no=int(input('enter account number:'))

address=input('enter permanent address of owner:')

contact\_no=int(input('enter contact number of owner:'))

total\_balance=int(input('Enter how much balance you want to deposite:'))

data1=(name,acc\_no,address,contact\_no,total\_balance)

data2=(name,acc\_no,total\_balance)

mycursor.execute("create table if not exists acc(name varchar(30),acc\_no int,address varchar(30),contact\_no int,total\_balance int)")

mycursor.execute("create table if not exists amount(name varchar(30),acc\_no int,total\_balance int)")

sqll='insert into acc values(%s,%s,%s,%s,%s)'

sq12='insert into amount values(%s,%s,%s)'

c=mydatabase.cursor()

mycursor.execute(sqll,datal)

mycursor.execute(sq12,data2)

mydatabase.commit()

print('"')

print('\t\t\t-----\*\*\*\*data entered sucessfully & Account Open\*\*\*\*-----')

print('"')

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

def dep():

name=input('enter your name:')

acc\_no=input('enter account number:')

dep\_am=input('enter how much amount you deposite:')

c=mydatabase.cursor()

mycursor.execute('update acc set total\_balance=total\_balance+'+dep\_am+ ' where acc\_no='+acc\_no+';')

mydatabase.commit()

mycursor.execute("select total\_balance from acc where acc\_no="+str(acc\_no))

myresult=mycursor.fetchall()

t=PrettyTable(['total\_balance'])

for total\_balance in myresult:

t.add\_row([total\_balance])

print('\t\t\t-----\*\*\*\* Available Balance After Deposit \*\*\*\*-----')

print(t)

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

def withdraw():

name=input('enter your name:')

acc\_no=input('enter account number:')

dep\_am=input('enter how much amount you withdraw:')

c=mydatabase.cursor()

mycursor.execute("update acc set total\_balance=total\_balance-"+dep\_am+' where acc\_no='+acc\_no+';')

mydatabase.commit()

mycursor.execute("select total balance from ace where acc\_no="+str(ace\_no))

myresult=mycursor.fetchall()

t=PrettyTable(['total\_balance'])

for total\_balance in myresult:

t.add\_row([total\_balance])

print('\t\t\t-----\*\*\*\* Available Balance After Withdraw \*\*\*\*-----')

print(t)

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

def bal\_enq():

acc\_no=int(input('enter your account number:'))

c=mydatabase.cursor()

mycursor.execute('select total\_balance from acc where acc\_no='+str(acc\_no))

myresult=mycursor.fetchall()

t=PrettyTable(['total\_balance'])

for total\_balance in myresult:

t.add\_row([total\_balance])

print("\t\t\t-----\*\*\*\* Balance Enquiry Successfully Printed \*\*\*\*-----")

print(t)

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

def cust\_det():

acc\_no=int(input('enter your account number:'))

c=mydatabase.cursor()

mycursor.execute("select \* from acc where acc\_no="+str(acc\_no))

myresult=mycursor.fetchall()

t=PrettyTable(['name','acc\_no', 'address','contact\_no','total\_balance'])

for name,acc\_no,address,contact\_no,total\_balance in myresult:

t.add\_row([name,acc\_no,address,contact\_no,total\_balance])

print('\t\t\t-----\*\*\*\* Customers Details \*\*\*\*-----')

print(t)

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

def update():

acc\_no=input('enter account number:')

new\_cont=input('enter new contact number:')

c=mydatabase.cursor()

mycursor.execute('update acc set contact\_no='+new\_cont+' where acc\_no='+acc\_no+';')

mydatabase.commit()

mycursor.execute('select \* from acc where acc\_no='+str(acc\_no))

myresult=mycursor.fetchall()

t=PrettyTable(['name','acc\_no', 'address', 'contact\_no','total\_balance'])

for name,acc\_no,address,contact\_no,total\_balance in myresult:

t.add\_row([name,acc\_no,address,contact\_no,total\_balance])

print('\t\t\t-----\*\*\*\* Information Updated Successfully \*\*\*\*-----')

print(t)

def close():

name=input('enter account holder name:')

acc\_no=int(input('enter account number:'))

c=mydatabase.cursor()

mycursor.execute('delete from ace where acc\_no='+str(acc\_no))

mydatabase.commit()

print('\t\t\t-----\*\*\*\* Account Deleted/Closed Succcesfully \*\*\*\*-----')

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

def show():

mycursor=mydatabase.cursor()

mycursor.execute("select \* from acc")

myresult=mycursor.fetchall()

t=PrettyTable(['name','acc\_no', 'address', 'contact\_no','total\_balance'])

for name,acc\_no,address,contact\_no,total\_balance in myresult:

t.add\_row([name,acc\_no,address,contact\_no,total\_balance])

print("\t\t\t-----\*\*\*\* All Information \*\*\*\*-----")

print(t)

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

#STARTING POINT

print('\t\t\t|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\t\t')

print('\t\t\t|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\t\t')

print('\t\t\t|-------------------->>>>>BANK MANAGEMENT SYSTEM<<<<<-----------------------|\t\t')

print('\t\t\t|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\t\t')

print('\t\t\t|------------------------>>>>>MADE BY KRISH GAUR<<<<<-------------------------|\t\t')

print('\t\t\t|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\t\t')

print("\t1:SIGNUP\n\n\t2:LOGIN")

ch=int(input("\n\n\tSIGNUP / LOGIN(1,2):"))

if ch==1:

signup()

elif ch==2:

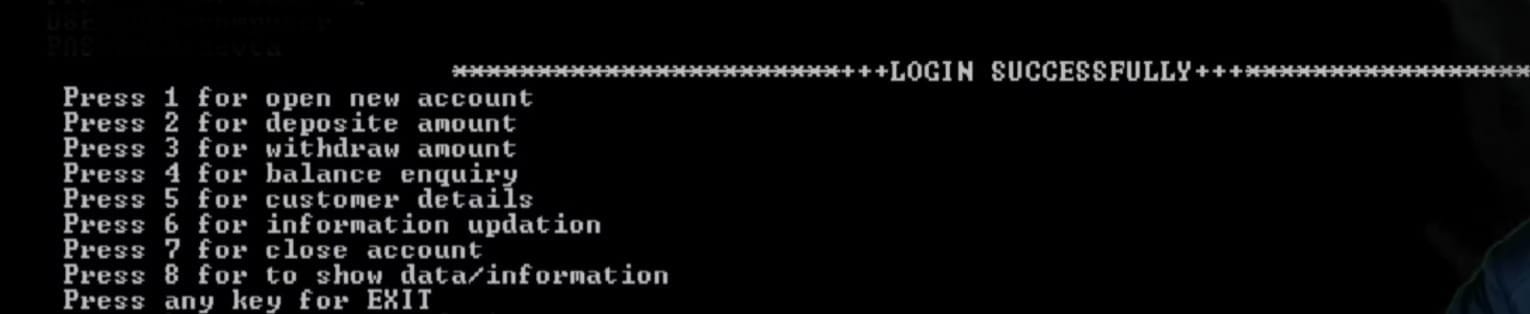
login()

else:

print("Wrong Entry")

### OUTPUT

### 



### SYSTEM REQUIREMENTS

**Software Requirements:**

* Windows 7 or 10
* Python 3.7 or above
* My SQL 5.5 or above
* Google Chrome

**Hardware Components:**

* Processor – Dual Core
* Hard Disk – 50 GB
* Memory – 1GB RAM