**A Project Report**

**On**

***BANKING TRANSACTIONS***





**Submitted By**

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And Surya Kant Verma

Class: - XII A

**Under the Guidance of**

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**New Delhi**

**CE R T I F I C A T E**

This is to certify that

DEEPESH KUMAR AND SURYA KANT VERMA

Of Class XII A has prepared the report on the Project entitled “NUMBER OPERATIONS ”. The report is the result of his efforts & endeavors. The report is found worthy of acceptance as final project report for the subject Computer Science of Class XI. He has prepared the report under my guidance.



(Mr. ML Meena)

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**New Delhi**

CERTIFICATE

The project report entitled

“Number Operations”,

Submitted by DEEPESH KUMAR and Surya Kant Verma of Class XII A for the CBSE Senior Secondary Examination class XII of Computer Science at Kendriya Vidyalaya No. 2, Delhi Cantt has been examined.

***SIGNATURE OF EXAMINER***

**DECLARATION**

I hereby declare that the project work entitled “BANKING TRANSACTIONS”, submitted to Department of Computer Science, Kendriya Vidyalaya No. 2, Delhi Cantt, New Delhi is prepared by me. All the coding is result of my personal efforts.

DEEPESH KUMAR

SURYA KANT VERMA

Class XII A

**ACKNOWLEDGEMENT**

I would like to express a deep sense of thanks & gratitude to my project guide Mr. M L MEENA Sir for guiding me immensely through the course of the project. He always evinced keen interest in my work. His constructive advice & constant motivation have been responsible for the successful completion of this project.

My sincere thanks goes to Mrs. Bharti Kukkal, Our principal mam, for her co-ordination in extending every possible support for the completion of this project.

I also thanks to my parents for their motivation & support. I must thanks to my classmates for their timely help & support for compilation of this project.

**Last but not the least, I would like to thank all those who had helped directly or indirectly towards the completion of this project.**

DEEPESH KUMAR

SURYA KANT VERMA

Class: XIIA

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**HARDWARE AND SOFTWARE USED**

Hardware used :-

While developing the system the used hardware are:-

1. Laptop with core i3 processor and 2gb RAM

Software used :-

* Microsoft Windows 7 ultimate , 64 bit operating system
* Python 3.7 as Front-end development environment
* Microsoft word 2010 for documentation

**ABOUT PROJECT**

This project is made using mysql and python by using mysql connector, this is a virtual project in which user can create his/her bank account, Deposit money in it as well as Withdraw money from the same account they can display their account as well as delete unused account or reopen there closed accounts by depositing money in it. This program always checks whether the account already exists or not when we using any function except the creating account. Thanks for seeing my project.

**FUNCTIONS USED**

Functions used are :-

1. print()
2. import()
3. while()
4. if()
5. elif()
6. for()
7. else
8. input()
9. break()

**MODULES USED**

1. mysql.connector

For Opening Screen:-

1. bankproject (own module)
2. tkinter
3. PIL or pillow

**WORKING DESCRIPTION**

This program is designed to make BANK TRANSACTION

This program consists of SIX options as follows:

1) To create an account in Bank

2) To Deposit money in the account

3) To Withdraw money from the account

4) To Display information of accounts of the user in the bank.

5) To Delete A particular Account.

6) And at Last its Option for Exit The programm.

CODING

#SOURCE CODE FOR BANKING TRANSACTIONS

print("##################\*\*\*\*\*\*!!!!!!!!!BANK TRANSACTION!!!!!!!!!\*\*\*\*\*\*#####################")

#creating database

import mysql.connector

mydb=mysql.connector.connect(host="localhost",user="root",passwd="deepesh")

mycursor=mydb.cursor()

mycursor.execute("create database if not exists bank")

mycursor.execute("use bank")

#creating required tables

mycursor.execute("create table if not exists bank\_master(acno char(4) primary key,name varchar(30),city char(20),mobileno char(10),balance int(6))")

mycursor.execute("create table if not exists banktrans(acno char (4),amount int(6),dot date,ttype char(1),foreign key (acno) references bank\_master(acno))")

mydb.commit()

while(True):

print("\a1)=Create account")

print("\a2)=Deposit money")

print("\a3)=Withdraw money")

print("\a4)=Display account")

print("\a5)=Transfer Money")

print("\a6)=Delete account")

print("\a7)=Exit\n")

ch=int(input("\bEnter Your Choice (1/2/3/4/5/6):"))

#PROCEDURE FOR CREATING A NEW ACCOUNT OF THE APPLICANT

if(ch==1):

print("All information prompted are mandatory to be filled")

acno=input("Enter account number:")

name=input("Enter name(limit 35 characters):")

city=input("Enter city name:")

mn=input("Enter mobile no.:")

balance=0

mycursor.execute("insert into bank\_master values('"+acno+"','"+name+"','"+city+"','"+mn+"','"+str(balance)+"')")

mydb.commit()

print("Account is successfully created!!!!")

#PROCEDURE FOR UPDATIONG DETAILS AFTER THE DEPOSITION OF MONEY BY THE APPLICANT

elif(ch==2):

acno=str(input("Enter account number:"))

mycursor.execute("select exists(select \* from bank\_master where acno='"+acno+"')")

a=mycursor.fetchall()

for x in a:

if(x[0]==1):

dp=int(input("Enter amount to be deposited:"))

dot=str(input("Enter date of Transaction: YYYY-MM-DD "))

ttype="d"

mycursor.execute("insert into banktrans values('"+acno+"','"+str(dp)+"','"+dot+"','"+ttype+"')")

mycursor.execute("update bank\_master set balance=balance+'"+str(dp)+"' where acno='"+acno+"'")

mydb.commit()

print("money has been deposited successully!!!")

else:

print("Account Dosent Exists")

#PROCEDURE FOR UPDATING THE DETAILS OF ACCOUNT AFTER THE WITHDRAWL OF MONEY BY THE APPLICANT

elif(ch==3):

acno=str(input("Enter account number:"))

mycursor.execute("select exists(select \* from bank\_master where acno='"+acno+"')")

a=mycursor.fetchall()

for x in a:

if(x[0]==1):

wd=int(input("Enter amount to be withdrawn:"))

mycursor.execute("select balance from bank\_master where acno='"+acno+"'")

a=mycursor.fetchall()

for x in a:

if(x[0]>wd):

dot=str(input("enter date of transaction: YYYY-MM-DD "))

ttype="w"

mycursor.execute("insert into banktrans values('"+acno+"','"+str(wd)+"','"+dot+"','"+ttype+"')")

mycursor.execute("update bank\_master set balance=balance-'"+str(wd)+"' where acno='"+acno+"'")

mydb.commit()

else:

print("You dint have much amount in your account")

#PROCEDURE FOR DISPLAYING THE ACCOUNT OF THE ACCOUNT HOLDER AFTER HE/SHE ENTERS HIS/HER ACCOUNT NUMBER

elif(ch==4):

acno=str(input("Enter account number:"))

mycursor.execute("select exists(select \* from bank\_master where acno='"+acno+"')")

a=mycursor.fetchall()

for x in a:

if(x[0]==1):

mycursor.execute("select \* from bank\_master where acno='"+acno+"'")

for i in mycursor:

print(i)

else:

print("Account Dosen't Exist")

elif(ch==5):

acno=str(input("Enter account number From Which Money Have To Transfer:"))

acno1=str(input("Enter account number In Which You Are Transfering Money :"))

mycursor.execute("select exists(select \* from bank\_master where acno='"+acno+"')")

a=mycursor.fetchall()

mycursor.execute("select exists(select \* from bank\_master where acno='"+acno1+"')")

b=mycursor.fetchall()

for x in a:

for y in b:

if(x[0]==1):

if(y[0]==1):

dp=int(input("Enter amount to be Transfer:"))

dot=str(input("Enter date of Transaction: YYYY-MM-DD "))

ttype="d"

mycursor.execute("insert into banktrans values('"+acno+"','"+str(dp)+"','"+dot+"','"+ttype+"')")

mycursor.execute("update bank\_master set balance=balance-'"+str(dp)+"' where acno='"+acno+"'")

mycursor.execute("update bank\_master set balance=balance+'"+str(dp)+"' where acno='"+acno1+"'")

mydb.commit()

print("Money Has Been Transferd Successully!!!")

else:

print("Reciving Account Dosent Exists")

else:

print("Account From Which Money Have To Transfer Dosent Exists")

elif(ch==6):

acno=str(input("Enter account number:"))

mn=input("Enter mobile no.:")

mycursor.execute("select exists(select \* from bank\_master where acno='"+acno+"'and mobileno='"+mn+"')")

a=mycursor.fetchall()

for x in a:

if(x[0]==1):

mycursor.execute("DELETE FROM bank\_master WHERE acno='"+acno+"'and mobileno='"+mn+"'")

print("Account Deleted Successfully!!!!")

mydb.commit()

else:

print("Account No. or Mob. No. is incorrect")

else:

break

CODING FOR OPENING SCREEN

from tkinter import \*

from PIL import ImageTk,Image

root=Tk()

root.overrideredirect(True)

root.geometry("1366x720")

root.configure(bg="cyan")

frame = LabelFrame(root,padx=20,pady=20,bg="green")

frame.pack(padx=10,pady=10)

frame1= LabelFrame(root,padx=20,pady=20,bg="red")

frame1.pack(padx=10,pady=10,anchor=SE,side="bottom")

lab1=Label(frame1,text="Made By :-\nDeepesh Kumar & \nSurya Kant Verma\n12 A",padx=20,pady=20,bg="greenyellow",fg="red")

lab1.pack(anchor=SE,side="bottom")

def surya():

global photo

root1=Toplevel()

root1.configure(bg="black")

root1.title("Surya")

photo=ImageTk.PhotoImage(file="surya.jpg")

l=Label(root1,image=photo)

l.pack(padx=10,pady=10)

Label(root1,text="Surya Kant Verma\nClass 12A",bg="grey4",fg="lightgreen").pack()

def deepesh():

global photo

root1=Toplevel()

root1.configure(bg="black")

root1.title("Deepesh")

photo=ImageTk.PhotoImage(file="deepesh.jpg")

l=Label(root1,image=photo)

l.pack(padx=10,pady=10)

Label(root1,text="Deepesh Kumar\nClass 12A",bg="grey4",fg="lightgreen").pack()

a="""This is a virtual bank transaction project made by Deepesh Kumar And Surya Kant Verma

In this project you can:-

\a1)=Create Account

\a2)=Deposit Money

\a3)=Withdraw Money

\a4)=Display Account

\a5)=Transfer Money

\a6)=Delete Account

Thanks For Seeing Our Project"""

def about():

root1=Tk()

root1.title("About Project")

root1.configure(bg="black")

f= LabelFrame(root1,padx=20,pady=20)

f.pack(padx=40,pady=40)

l=Label(f,text=a,bg="red",fg="yellow",font=("arial",10))

l.pack()

bt="""Opening Screen:-

1)tkinter

2)PIL or pillow"""

ct="""Main Project:-

mysql.connector"""

def module():

root1=Tk()

root1.title("Modules Used")

root1.configure(bg="black")

f= LabelFrame(root1,padx=20,pady=20)

f.pack(padx=40,pady=40)

f1= LabelFrame(root1,padx=20,pady=20)

f1.pack(padx=40,side=RIGHT)

l1=Label(f,text=ct,bg="cyan",fg="red",font=("arial",10))

l1.pack(side="right",padx=20)

l=Label(f,text=bt,bg="red",fg="yellow",font=("arial",10))

l.pack()

lab=Label(frame,text="BANK TRANSITION",bg="black",fg="yellow",font=("algerian",30))

lab.pack(anchor=N)

b=Button(root,text = "\aClick To\n Open Project",command=root.destroy,bg='yellow',bd=30,fg='red',font='algerian',height=5,highlightcolor='blue',width=20)

b.place(relx=0.5, rely=0.5, anchor=CENTER)

b1=Button(root,text="ABOUT PROJECT",bg="grey19",fg="greenyellow",command=about)

b1.pack(anchor=SE)

b2=Button(root,text="MODULES USED",bg="grey19",fg="greenyellow",command=module)

b2.pack(anchor=SW)

b3=Button(root,text="DEEPESH KUMAR",bg="grey19",fg="greenyellow",command=deepesh)

b3.pack(anchor=SW,side=BOTTOM)

b4=Button(root,text="SURRYA KANT VERMA",bg="grey19",fg="greenyellow",command=surya)

b4.pack(anchor=SE,side=BOTTOM)

root.mainloop()

import Bank\_Project

OUTPUT SCREENS























