# A Project Report

# On

# *BANKING TRANSACTIONS*

## Submitted By

Deepesh Kumar

And Surya Kant Verma

Class: - XII A

## Under the Guidance of

Mr. ML MEENA
PGT (Computer Science)

Department of Computer Science
Kendriya Vidyalaya No. 2, Delhi Cantt

## Department of Computer Science
## Kendriya Vidyalaya No. 2, Delhi Cantt
## New Delhi

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# C E 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)
PGT (Computer Science)
Department of Computer Science

**Department of Computer Science**
**Kendriya Vidyalaya No. 2, Delhi Cantt**
**New Delhi**

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# 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

# CONTENTS

# 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:-

2. bankproject   (own module)

3. tkinter

4. 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

```python
#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:")
```

```python
        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):
```

```python
            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:
```

```python
            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

```python
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:-
```

```python
    \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,hi
ghlightcolor='blue',width=20)
b.place(relx=0.5, rely=0.5, anchor=CENTER)
```

```python
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
```
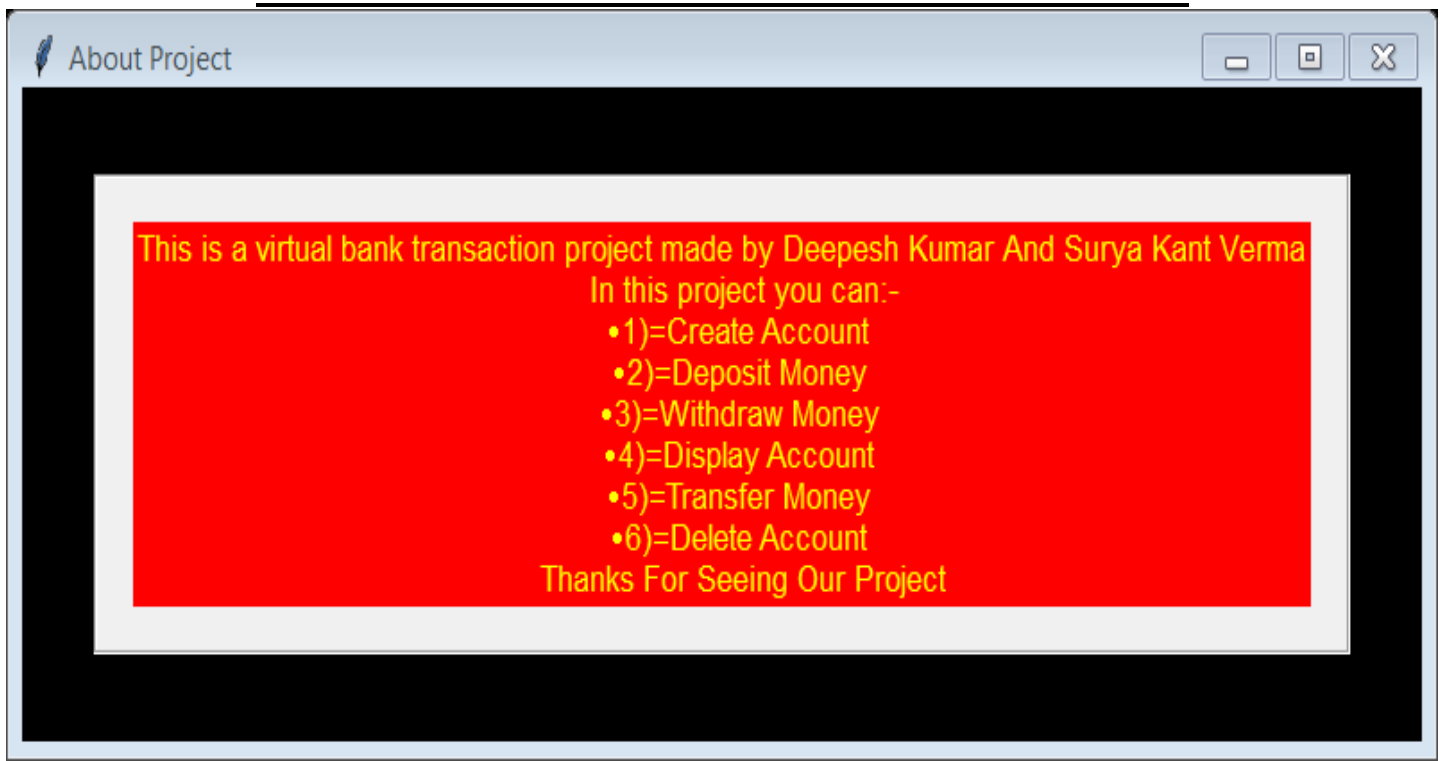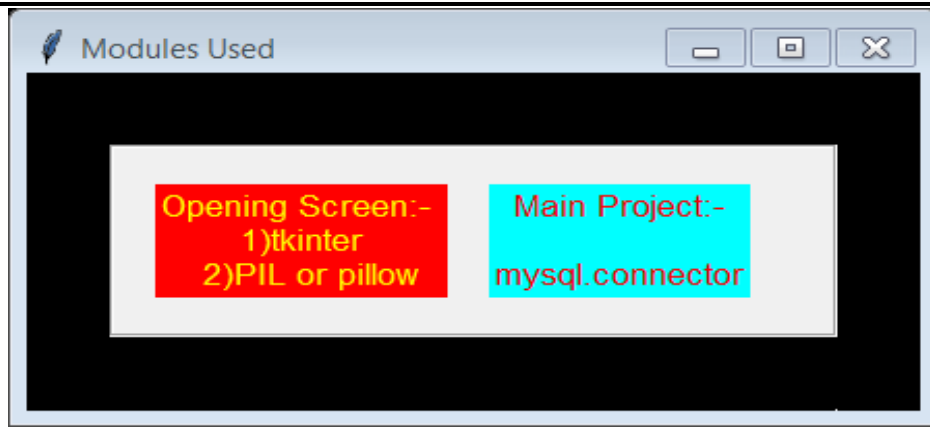
# OUTPUT SCREENS

## BANK TRANSITION

MODULES USED

ABOUT PROJECT

•CLICK TO
OPEN PROJECT

DEEPESH KUMAR

SURRYA KANT VERMA

Made By :-
Deepesh Kumar &
Surya Kant Verma
12 A

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**Modules Used**

Opening Screen:-
1)tkinter
2)PIL or pillow

Main Project:-

mysql.connector

---

**About Project**

This is a virtual bank transaction project made by Deepesh Kumar And Surya Kant Verma
In this project you can:-
•1)=Create Account
•2)=Deposit Money
•3)=Withdraw Money
•4)=Display Account
•5)=Transfer Money
•6)=Delete Account
Thanks For Seeing Our Project

Deepesh Kumar
Class 12A



Surya Kant Verma
Class 12A

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
================ RESTART: C:\Users\Deepesh\Desktop\XIIComp.Sc.73\bankproject.py ===============
##################*****!!!!!!!!!BANK TRANSACTION!!!!!!!!!*****###################
•1)=Create account
•2)=Deposit money
•3)=Withdraw money
•4)=Display account
•5)=Delete account
•6)=Exit

Enter Your Choice (1/2/3/4/5/6):1
All information prompted are mandatory to be filled
Enter account number:1128
Enter name(limit 35 characters):Deepesh kumar
Enter city name:delhi
Enter mobile no.:9900778822
Account is successfully created!!!!
```

Account is successfully created!!!!
- 1)=Create account
- 2)=Deposit money
- 3)=Withdraw money
- 4)=Display account
- 5)=Delete account
- 6)=Exit

☐Enter Your Choice (1/2/3/4/5/6):2
Enter account number:1128
Enter amount to be deposited:500
Enter date of Transaction: YYYY-MM-DD 2020-07-02
money has been deposited successully!!!
- 1)=Create account
- 2)=Deposit money
- 3)=Withdraw money
- 4)=Display account
- 5)=Delete account
- 6)=Exit

```
*Python 3.8.2 Shell*                                          [ _ ] [ □ ] [ ✕ ]
File  Edit  Shell  Debug  Options  Window  Help
1)=Create account
• 2)=Deposit money
• 3)=Withdraw money
• 4)=Display account
• 5)=Transfer Money
• 6)=Delete account
• 7)=Exit

☐Enter Your Choice (1/2/3/4/5/6):5
Enter account number From Which Money Have To Transfer:1234
Enter account number In Which You Are Transfering Money :2222
Reciving Account Dosent Exists
• 1)=Create account
• 2)=Deposit money
• 3)=Withdraw money
• 4)=Display account
• 5)=Transfer Money
• 6)=Delete account
• 7)=Exit

☐Enter Your Choice (1/2/3/4/5/6):
                                                              Ln: 17  Col: 0
```

Enter Your Choice (1/2/3/4/5/6):5
Enter account number From Which Money Have To Transfer:1234
Enter account number In Which You Are Transfering Money :2222
Enter amount to be Transfer:50
Enter date of Transaction: YYYY-MM-DD 2020-07-13
Money Has Been Transferd Successully!!!
1)=Create account
2)=Deposit money
3)=Withdraw money
4)=Display account
5)=Transfer Money
6)=Delete account
7)=Exit

Enter Your Choice (1/2/3/4/5/6):

---

1)=Create account
2)=Deposit money
3)=Withdraw money
4)=Display account
5)=Delete account
6)=Exit

Enter Your Choice (1/2/3/4/5/6):3
Enter account number:1128
Enter amount to be withdrawn:400
enter date of transaction: YYYY-MM-DD 2020-07-02
1)=Create account
2)=Deposit money
3)=Withdraw money
4)=Display account
5)=Delete account
6)=Exit

Enter Your Choice (1/2/3/4/5/6):

Enter Your Choice (1/2/3/4/5/6):4
Enter account number:1128
('1128', 'Deepesh kumar', 'delhi', '9900778822', 100)
- 1)=Create account
- 2)=Deposit money
- 3)=Withdraw money
- 4)=Display account
- 5)=Delete account
- 6)=Exit

Enter Your Choice (1/2/3/4/5/6):

- 6)=Exit

Enter Your Choice (1/2/3/4/5/6):6

>>>