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| **KENDRIYA VIDYALAYA NO.1 HARNI**    **COMPUTER SCIENCE**  **SESSION 2022-23**  **CLASS-XII-A**  **TOPIC: BANK MANAGEMENT SYSTEM**  **SUBMITED BY-TUSHAR RAGHUWANSHI** |

**CERTIFICATE**

**This is to certify that the project work submitted by TUSHAR RAGHUWANSHI to Computer Science department, KENDRIYA VIDYALAYA No.1 HARNI BARODA GUJARAT, is carried out by him under my guidance & supervision during academic year 2022-23**

**MR. SANJAY JHAVERI    MR. L.R. THAKAN**

**(PGT COMPUTER SCIENCE) PRINCIPAL**

**K. V. HARNI K. V. HARNI**

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**I can’t forget to offer my sincere thanks to my classmates who helped me to carry out this project work successfully & for their valuable advice & support, which I received from them time to time.**

**TUSHAR RAGHUWANSHI**

**ROLL NO: -**

**INTRODUCTION**

Bank account system involves maintaining of account related information. This requires greater accuracy, speed that is why the proposed system is the computerization of the existing system. The computerization system does the job monitoring the record in easy and effective manner as stated below:

1. Efficiently handles customer, account related data.
2. Monitor transaction and makes related information.

3) Keeps records of customer account detail and

Other information.

4) Generates reports.

Account system involved maintaining data related different customer and his transaction. This required greater accuracy, speed that is why the proposed system is the computerization of the existing system. The computerized system does the job of the monitoring the information easy and effective manner.

**OBJECTIVES OF THE PROJECT**

The objective is to create application software which cans mange all about the customers currently working in bank in order relative them from their manual accounting system. The various reasons which led to the conversion of the manual system of the bank to the computerized system are as follows:-

1) Entry of information in various registers was a very hectic job for the customer.

2) The entry of information causing error in entering details of customer.

3) Even the redundancy of the record was also found through they had taken certain precautions like entering the information with the pencil, leaving the space for making the entry in future, if not possibly confirmed about the details.

4) The error prone details causing the making in the other related registers, which might some problem while producing reports.

5) Even a lot of times begin spent on the entering of details after crosschecking details from various registers.

6) Then the security of these registers being a major problem. Even a single page should not be teased. The n it should not get into the hand of some unauthorized person.

7) And last but not least, because it is vary calculation oriented and computerized system can be used for given current result always.

The proposed Bank Account system will make current manual system easy to monitor, efficient and almost error free.

**FEASIBILITY ANALYSIS**

Depending on the results of the initial investigation, the survey is expanded to a more detailed feasibility study. A feasibility study is a test of a system proposal. According to its workability, impact on the organization, ability to meet user’s needs and effective use of the resources its main task done during the feasibility study are:-

1. Evaluation of existing system and procedures. Our group went to various Banking Professionals to gather information about the software system. They are using and evaluating those system and the procedures invoked in it during the period of feasibility study.
2. Analysis of alternative candidate systems after studying the various systems we derived various alternatives through which we develop our project and evaluated the alternative. The most appropriate is selected.

**FEASIBILITY STUDY**

The only tangible benefit provided by the proposed system is that the paper work is reduced to the minimum and hence the reduction in cost incurred on Stationary and its storage. The system provides many benefits that can’t be measured in terms of Money for e.g. user’s friendliness, more user response being more efficient.

* **TECHNICAL FEASIBILITY:-**

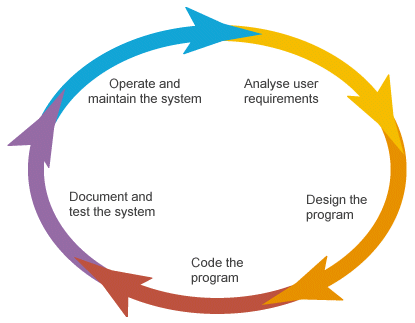
The proposed system is technically feasible as it can be developed easily with the help of available technology. The proposed system requires MS – VISUAL Studio 2005 using VB.Net as an Interface for Programming & back-end as MS-SQL Server 2000 for storing/maintaining database. The database can be easily interconnected using MS-SQL Server 2000.

* **OPERATIONAL FEASIBILITY:-**

Automation makes our life easy. The proposed system is highly user friendly and is much easily able to interact with the system. Therefore the users will readily accept the system as data entry and making queries can be easily done.

**SOFTWARE DEVELOPMENT LIFE CYCLE**

A system development life cycle is a logical process by which system analysts, software engineers, programmers, and end users build information systems and computer applications to solve business problems and needs. The major phases involved in the MIS development process are referred to as system development life cycle. Each phase of the development process must have well defined objectives, and at the end of each phase, progress towards meeting the objectives must be evaluated. The development process should not continue until the objectives of all prior phases have been met. System development life cycle is a phased approach to analysis and design to ensure that systems are best developed. The system development life cycle can be divided into seven phases as shown in fig



**SOURCE CODE**

import mysql.connector as a

con=a.connect(host='localhost',user='Tushar',password='tushar12345',database='bank')

def openAcc():

n=input('Enter Name:')

ac=input('Enter Account No.')

db=input('Enter D.O.B:')

p=input('Enter Phone No.:')

ad=input('Enter Address:')

ob=int(input('Enter Operning Balance:'))

data1=(n,ac,db,p,ad,ob)

data2=(n,ac,ob)

sql1='insert into account values(%s,%s,%s,%s,%s,%s)'

sql2='insert into amount values(%s,%s,%s)'

c=con.cursor()

c.execute(sql1,data1)

c.execute(sql2,data2)

con.commit()

print('Data Entered Successfully')

main()

def depoAmo():

am=int(input('Enter Amount:'))

ac=input('Enter Account No.:')

a='select balance from amount where acno=%s'

data=(ac,)

c=con.cursor()

c.execute(a,data)

myresult=c.fetchone()

tam=myresult[0]+am

sql='update amount set balance=%s where acno=%s'

d=(tam,ac)

c.execute(sql,d)

con.commit()

print('New Amount is',tam,)

main()

def witham():

am=int(input('Enter Amount:'))

ac=input('Enter Account No.:')

a='select balance from amount where acno=%s'

data=(ac,)

c=con.cursor()

c.execute (a,data)

myresult=c.fetchone()

tam=myresult[0]-am

sql='update amount set balance=%s where acno=%s'

d=(tam,ac)

c.execute(sql,d)

con.commit()

print('New Amount is',tam,)

main()

def balance():

ac=input('Enter Account No.:')

a='Select balance from amount where acno=%s'

data=(ac,)

c=con.cursor()

c.execute (a,data)

myresult=c.fetchone()

print('Balance for Account No.:',ac,'is',myresult[0])

main()

def dispacc():

ac=input('Enter Account No.:')

a='select\*from account where acno=%s'

data=(ac,)

c=con.cursor()

c.execute(a,data)

myresult=c.fetchone()

for i in myresult:

print(i,end=' ')

main()

def closeac():

ac=input('Enter Account No.:')

sql1='delete from account where acno=%s'

sql2='delete from amount where acno=%s'

data=(ac,)

c=con.cursor()

c.execute(sql1,data)

c.execute(sql2,data)

con.commit()

print('Account is successfully closed')

main()

def main():

print("\t\t\t|-----------------------------------------------------------------|\t\t")

print("\t\t\t|------>>>>>TOPIC OF THE PROJECT:BANK MANAGEMENT SYSTEM<<<<<------|\t\t")

print("\t\t\t|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\t\t")

print("\t\t\t|------------->>>>>MADE BY:TUSHAR RAGHUWANSHI<<<<<----------------|\t\t")

print("\t\t\t|------------------>>>>>CLASS:XII SCIENCE<<<<<--------------------|\t\t")

print("\t\t\t|------------->>>>>SUBMITTED TO:SANJAY JHAVERI<<<<<---------------|\t\t")

print("\t\t\t|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\t\t")

print('''

1.OPEN NEW ACCOUNT

2.DEPOIST AMOUNT

3.WITHDRAW AMOUNT

4.BALANCE ENQUIRY

5.DISPLAY CUSTOMER DETAILS

6.CLOSE AN ACCOUNT''' )

choice=input('Enter Task No.:')

if(choice=='1'):

openAcc()

elif(choice=='2'):

depoAmo()

elif(choice=='3'):

witham()

elif(choice=='4'):

balance()

elif(choice=='5'):

dispacc()

elif(choice=='6'):

closeac()

else

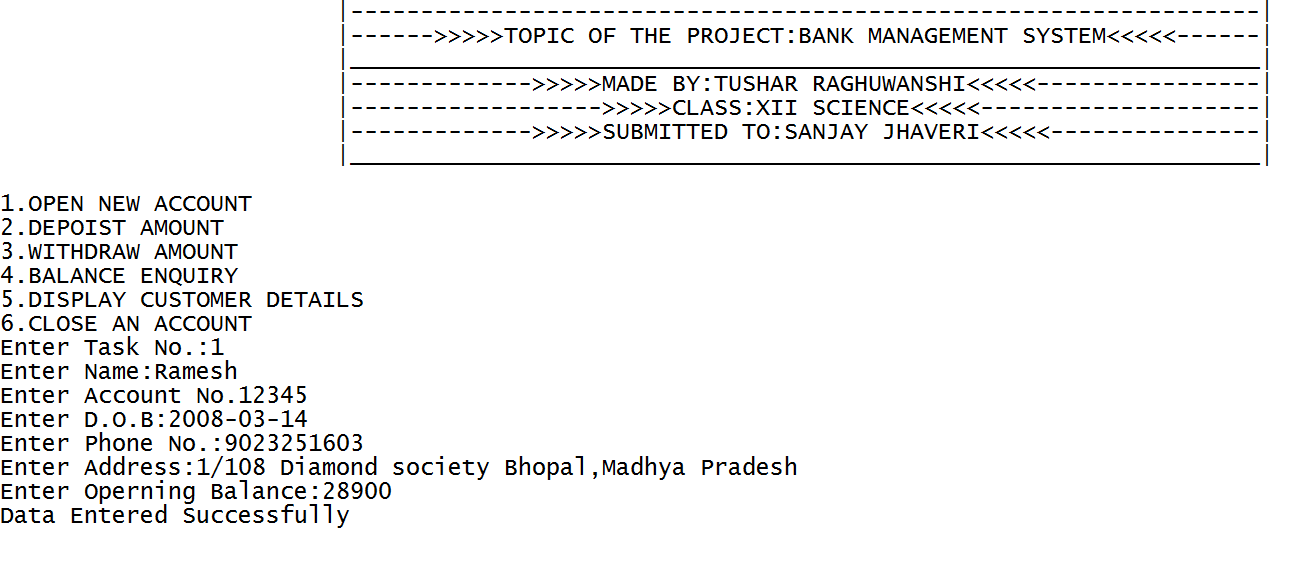
print('Wrong choice......')

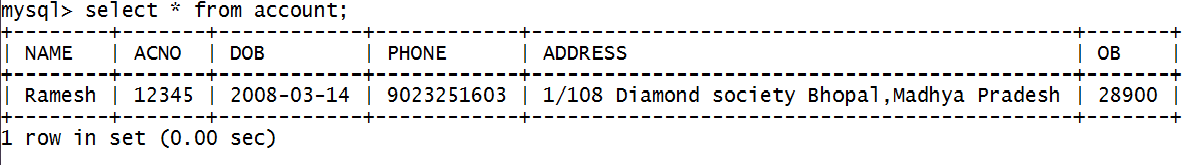
main()

main()

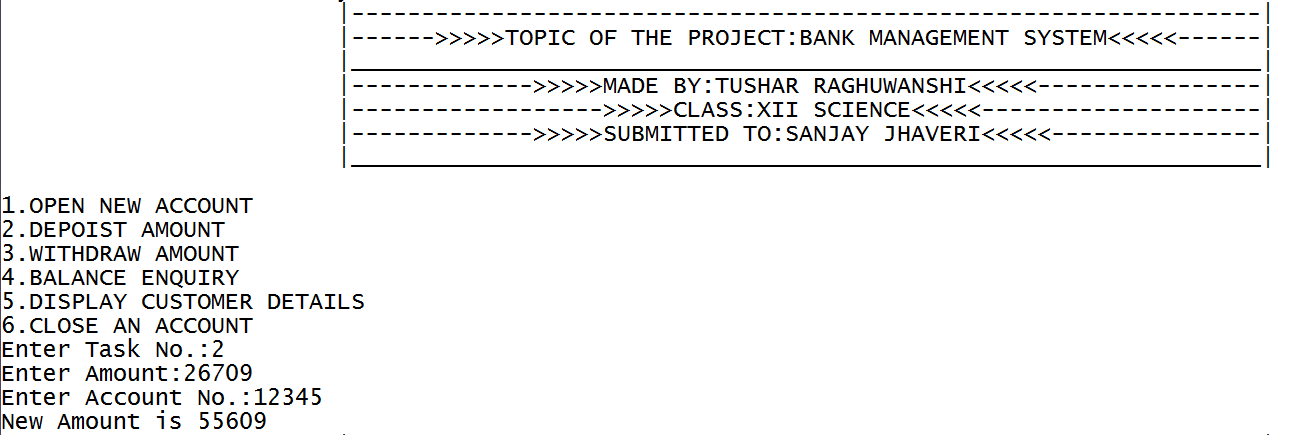
**TESTING**

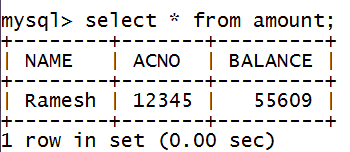
**1. OPENING AN ACCOUNT**



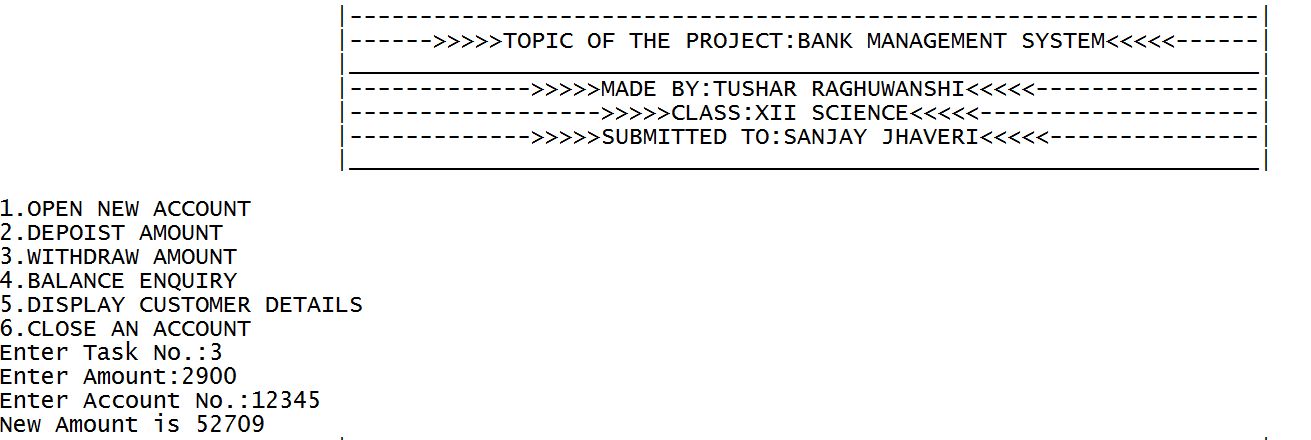


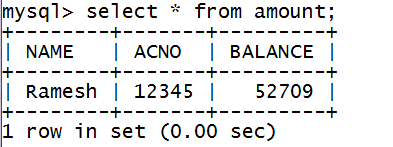
**2. DEPOIST AMOUNT**

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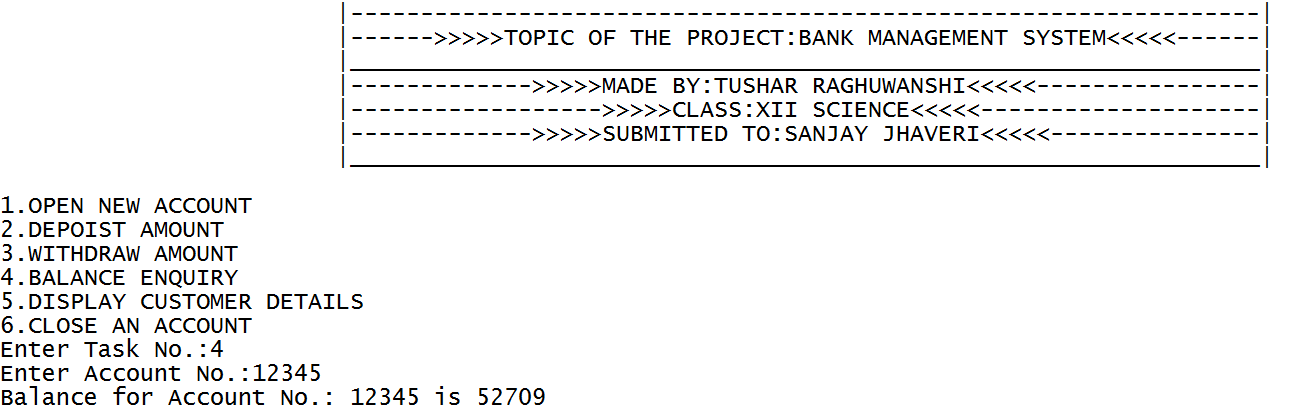


**3. WITHDRAW AMOUNT**

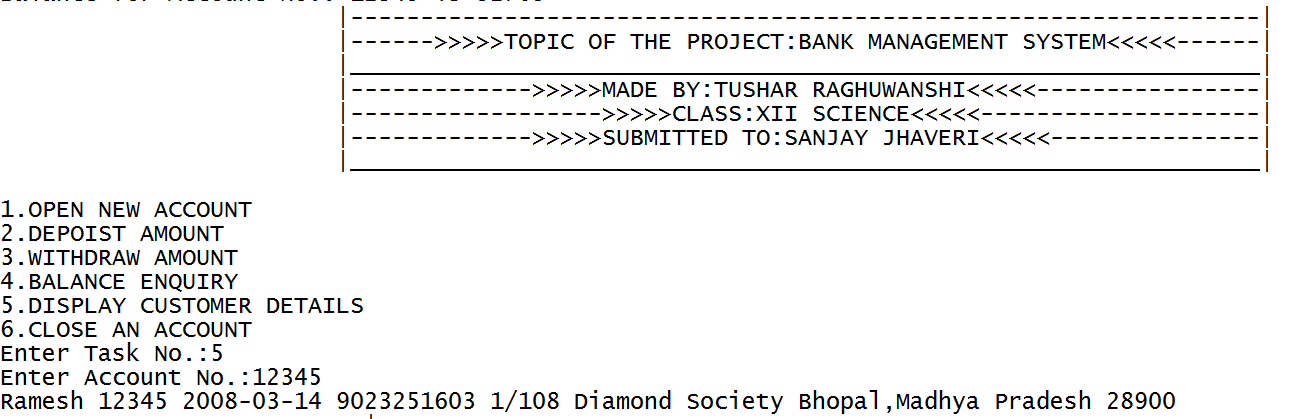
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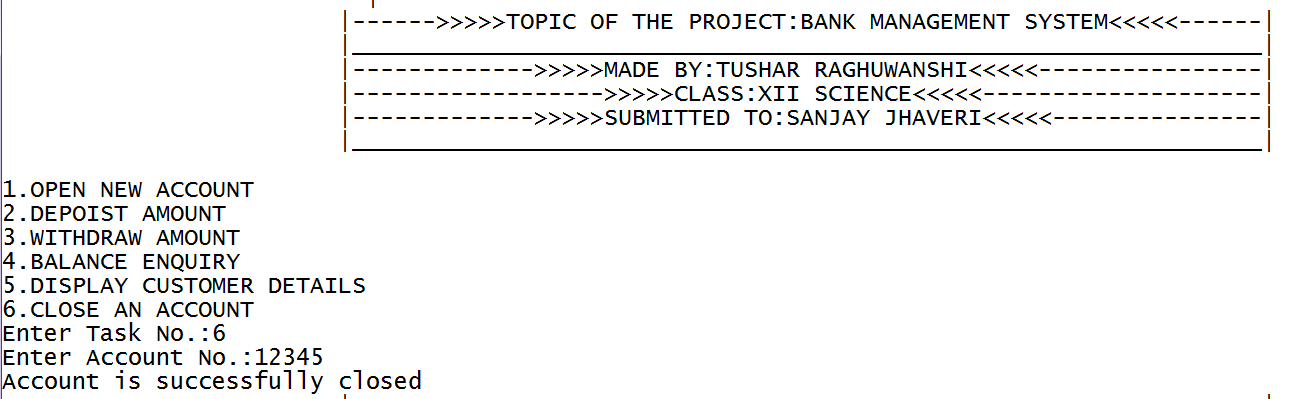
**4. BALANCE ENQYIRY**

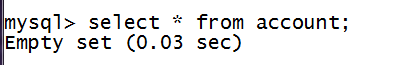
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**5. DISPLAY CUSTOMER DETAILS**

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**6. CLOSE AN ACCOUNT**

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**SCOPE OF FUTURE ENHANCEMENT**

The application certainly has same striking advantage over manual system. There will be no paper work as possible and the information will be updated as it changes.

1) It is automation of Telephone directory system.

2) With this system one can generate the report of the address.

3) It secures the database of Telephone directory system from the unauthorized person.

4) The operator does not require any previous training because of its user friendliness the operator is free from any technicality of the backend processing, that is how database is maintained.

5) If the process of the working changes in future then the alteration in the system will be done easily and will not cause in the mismanaging of data.

6) Furthermore with its implementation very large amount of data will be secure and editing and addition or deletion of data is done very easily.

7) In future according to the user’s requirement it can be updated so that to reach the user specification.

**CONCLUSION**

The application certainly has some striking feature over manual system. User queries have become quite accurate and efficient.

Lot of paper work has been eliminated. Future modification and enhancements have become quite easier now in comparison to the previous manual system.

Last but one of the most important advantages of the banking system is that, through this system the whole procedure will take too less time in comparison of the manual system.

No doubt BAS will be helpful for institutes in all procedure, which will be monitoring through Account. At the first step BAS will only be installed in the bank .The main advantage of BAS is that, it will become a powerful tool in establishment of better system in comparison of the existing system. It helps to protect the system from the corruption. After installation of BAS in the bank, there is a greater possibility of stabilization a clear and fair system, which will be accurate, update and fast.

There is no doubt that there always remains some scope of improvement. The important thing is that the system developed should be flexible to accommodate any future enhancements. This system can be used to provide some enhancement without rewriting of existing code.

**SYSTEM REQUIREMENTS**

* **HARDWARE REQUIREMENTS SPECIFICATION**

Processor - Intel Pentium III or later

RAM - 256 MB +

Hard Disk - 160 GB+

* **SOFTWARE REQUIREMENTS SPECIFICATION**

Software needed - Python and MYSQL

Operating System - Windows 7, 8,9,10, XP

**BIBLIOGRAPHY**

BOOKS – PREETI ARORA

WEBSITES - [WWW.SCRIBD.COM](http://WWW.SCRIBD.COM)

SEARCH ENGINES - YAHOO, MSN, GOOGLE etc.