

Mini Project

Topic: BANK SYSTEM AND ITS FUNCTIONS

Aim: To write a program that performs the functions of a BANK for respected personnel and provide them with various function to operate with.

Algorithm:

1. Start
2. Define variables users, pins, amounts
3. Checks the given name is correct or not. If correct, move to step 4
4. Checks the pin entered is correct or not. If correct, move to step 5, if not move to step 3
5. Print various functions to operate with like:
 - Statement in the bank
 - Withdraw the amount
 - Deposit the amount
 - Apply for Loan with EMI
 - Apply for Credit/ Debit Card
 - Change the pin of their ATM card

6. If the enter credentials are correct, it performs and print the required result, if not it re-enters the details, till it gets the correct details.
7. If the option = 'QUIT', then the program terminates
8. END.

Methodology:

The given program works and performs on the looping functions provide by Python.

Loop used in the given program:

- While loop
- Nested if loop

Output:

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*****
WELCOME TO THE BANK FACILITY OF AXIS BANK
*****

ENTER USER NAME: vardhan
PLEASE ENTER PIN: 1234
LOGIN SUCCESSFUL, CONTINUE
Vardhan WELCOME TO THE AXIS BANK
SELECT FROM FOLLOWING OPTIONS:
1. Statement__(S)
2. Withdraw AMOUNT__(W)
3. DEPOSITE AMOUNT__(D)
4. APPLY FOR LOAN__(L)
5. APPLY FOR CREDIT/DEBIT CARD____(A)
6. CHANGE ATM PIN__(P)
7. QUIT__(Q)
Type The Letter Of Your Choices: s
Vardhan YOU HAVE 1000 RUPEES ON YOUR ACCOUNT.
SELECT FROM FOLLOWING OPTIONS:
1. Statement__(S)
2. Withdraw AMOUNT__(W)
3. DEPOSITE AMOUNT__(D)
4. APPLY FOR LOAN__(L)
5. APPLY FOR CREDIT/DEBIT CARD____(A)
6. CHANGE ATM PIN__(P)
7. QUIT__(Q)
Type The Letter Of Your Choices: w
ENTER AMOUNT YOU WOULD LIKE TO WITHDRAW: 200
YOUR NEW BALANCE IS: 800 RUPEES
SELECT FROM FOLLOWING OPTIONS:
1. Statement__(S)
2. Withdraw AMOUNT__(W)
3. DEPOSITE AMOUNT__(D)
4. APPLY FOR LOAN__(L)
5. APPLY FOR CREDIT/DEBIT CARD____(A)
6. CHANGE ATM PIN__(P)
7. QUIT__(Q)
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Type The Letter Of Your Choices: d
ENTER THE AMOUNT FOR THE DEPOSIT:400
YOUR NEW BALANCE IS: 1200 RUPEES
SELECT FROM FOLLOWING OPTIONS:
1. Statement__(S)
2. Withdraw AMOUNT__(W)
3. DEPOSITE AMOUNT__(D)
4. APPLY FOR LOAN__(L)
5. APPLY FOR CREDIT/DEBIT CARD____(A)
6. CHANGE ATM PIN__(P)
7. QUIT__(Q)
Type The Letter Of Your Choices: l
CURRENT LOAN FACILITY FOR THE MONTHLY BASED WITH A RATE OF 5%
DO YOU WANT TO APPLY FOR THE LOAN: Y/N: y
ENTER FOR HOW MANY MONTHS DO YOU WANT TO APPLY: 50
YOUR EMI ON YOUR LOAN WITH INTEREST WILL BE 1200.0 RUPEE
SELECT FROM FOLLOWING OPTIONS:
1. Statement__(S)
2. Withdraw AMOUNT__(W)
3. DEPOSITE AMOUNT__(D)
4. APPLY FOR LOAN__(L)
5. APPLY FOR CREDIT/DEBIT CARD____(A)
6. CHANGE ATM PIN__(P)
7. QUIT__(Q)
Type The Letter Of Your Choices: a
PLEASE PRESS 'c' TO APPLY CREDIT CARD

PLEASE PRESS 'd' TO APPLY FOR DEBIT CARD
ENTER YOUR CHOICE: c
ENTER THE CREDENTIALS FOR APPLICATION
ENTER YOUR NAME: VARDHAN
ENTER YOUR ACCOUNT NUMBER: 9999
ENTER YOUR BRANCH NAME: SHARDA NAGAR
YOUR NAME IS VARDHAN AND YOUR ACCOUNT NUMBER IS 9999 AND YOUR BRANCH NAME IS SHARDA NAGAR
DO YOU WANT TO MAKE ANY CHANGES (Y/N): y
ENTER YOUR NAME: Vardhan
ENTER YOUR ACCOUNT NUMBER: 9876
ENTER YOUR BRANCH NAME: XYZ
YOUR NAME IS Vardhan AND YOUR ACCOUNT NUMBER IS 9876 AND YOUR BRANCH NAME IS XYZ
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YOUR NAME IS VARDHAN AND YOUR ACCOUNT NUMBER IS 9999 AND YOUR BRANCH NAME IS SHARDA NAGAR
DO YOU WANT TO MAKE ANY CHANGES (Y/N): y
ENTER YOUR NAME: Vardhan
ENTER YOUR ACCOUNT NUMBER: 9876
ENTER YOUR BRANCH NAME: XYZ
YOUR NAME IS Vardhan AND YOUR ACCOUNT NUMBER IS 9876 AND YOUR BRANCH NAME IS XYZ
YOUR CREDIT CARD APPLICATION HAS BEEN SUBMITTED
THANK YOU
SELECT FROM FOLLOWING OPTIONS:
1. Statement__(S)
2. Withdraw AMOUNT__(W)
3. DEPOSITE AMOUNT__(D)
4. APPLY FOR LOAN__(L)
5. APPLY FOR CREDIT/DEBIT CARD____(A)
6. CHANGE ATM PIN__(P)
7. QUIT____(Q)
Type The Letter Of Your Choices: p
ENTER A NEW PIN: 2345
CONFIRM YOUR PIN: 2345
NEW PIN SAVED
SELECT FROM FOLLOWING OPTIONS:
1. Statement__(S)
2. Withdraw AMOUNT__(W)
3. DEPOSITE AMOUNT__(D)
4. APPLY FOR LOAN__(L)
5. APPLY FOR CREDIT/DEBIT CARD____(A)
6. CHANGE ATM PIN__(P)
7. QUIT____(Q)
Type The Letter Of Your Choices: q
Thank You
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Result:

The desired result has been attained.

The program works for every application provided by a bank that are practical in nature.

Conclusion:

While developing the program we as a student learned several things about computer science as well as about the functioning of a bank that the facilities that are provided within it. The program helped us in how to connect to loop function through which the desired result was attained for respected personnel. The project also helped us to develop a program that solved a real-life problem in a real-life scenario and effectively work to solve daily life problem.