FULL STACK DEVELOPER

PYTHON PROJECT

NAME: VASANTH V

PROJECT TITLE SHEET
ATM PROJECT IN PYTHON

Project Report Submitted

In partial fulfillment of the requirement for the proficient certificate course

Done By

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Under the guidance of

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ABOUT PUMO TECHNOVATION

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- Our total lab setup is focused for engineer's and industries updating requirements. the tech campus is completely accelerating under the guidance of industrial experts having 27+ years' experience and young aspirants, Pumo Technovation is the first tech campus to have all facilities & labs in India to offer training courses and job assurance all under one roof.
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- A part of CADD Centre, which is Asia's largest CAD/CAM/CAE training institute.

PROJECT OBJECTIVE

An ATM project in python typically involves simulating basic ATM operations such as user authentication, balance inquiry, deposit, and withdrawal. It usually includes a user interface for input and output, functions to handle transactions, and data storage for user information and transaction records. Error handling and security features, like PIN verification, are also implemented. The project often uses file handling to persist data and simple control structures for navigation and transaction processing.

HARDWARE AND SOFTWARE REQUIREMENTS:

HARDWARE :

✓ Device name   : **ASUS**

✓ Processor   :AMD Ryzen 5 5600H with Radeon
                               Graphics

✓ Installed RAM   : 8.00 GB (7.40 GB usable)

✓ Device ID   :5795131D-6FF7-4593-8E53-
                               5F093C77C644

✓ Product ID   :00342-42640-84714-AAOEM

✓ System type   : 64-bit operating system, x64-based
                               processor

✓ Pen and touch   : No pen or touch input is available
                               for this display

SOFTWARE:

✓PYCHARM
✓PYTHON

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SOURCE CODE:

```python
def display():

    print("PRESS 1 IS DEBIT")

    print("PRESS 2 IS CREDIT")

    print("PRESS 3 IS BALANCE ENQUIRY")

def debit(AMOUNT):

    if AMOUNT <= 150000:

        BALANCE = 150000 - AMOUNT

        print("BALANCE:", BALANCE)

    else:

        print("INSUFFICIENT BALANCE")

        print("PLEASE CHECK YOUR BALANCE")

def credit(AMOUNT):

    BALANCE = 150000 + AMOUNT

    print("BALANCE:", BALANCE)
```

```python
def main():
    c=1
    a=int(input("ENTER A PIN:"))
    while a!=2810 and c<3:
        a = int(input("PLEASE ENTER YOUR CORRECT PIN: "))
        c+=1
    if a==2810:
        display()
        b = int(input())
        if b == 1:
            print("WITHDRAW")
            AMOUNT = int(input("ENTER THE AMOUNT:"))
            debit(AMOUNT)
        if b == 2:
            print("DEPOSIT")
            AMOUNT = int(input("ENTER THE AMOUNT:"))
            credit(AMOUNT)
        if b ==3:
            print("BALANCE:150000")
main()
```

===
COMPLETE THE PROGRAM
===

OUTPUT:

INVALID PIN :

```
ENTER A PIN:4563
PLEASE ENTER YOUR CORRECT PIN: 3654
PLEASE ENTER YOUR CORRECT PIN: 2563
```

OUTPUT:

WITHDRAW :

```
ENTER A PIN:2810
PRESS 1 IS DEBIT
PRESS 2 IS CREDIT
PRESS 3 IS BALANCE ENQUIRY
1
WITHDRAW
ENTER THE AMOUNT:60000
BALANCE: 90000
```

OUTPUT:

INSUFFICIENT BALANCE :

```
ENTER A PIN:2810
PRESS 1 IS DEBIT
PRESS 2 IS CREDIT
PRESS 3 IS BALANCE ENQUIRY
1
WITHDRAW
ENTER THE AMOUNT:900000
INSUFFICIENT BALANCE
PLEASE CHECK YOUR BALANCE
```

OUTPUT:

BALANCE ENQUIRY :

```
ENTER A PIN:2810
PRESS 1 IS DEBIT
PRESS 2 IS CREDIT
PRESS 3 IS BALANCE ENQUIRY
3
BALANCE:150000
```

OUTPUT:

DEPOSIT :

```
ENTER A PIN:2810

PRESS 1 IS DEBIT

PRESS 2 IS CREDIT

PRESS 3 IS BALANCE ENQUIRY

2

DEPOSIT

ENTER THE AMOUNT:50000

BALANCE: 200000
```