

FULL STACK DEVELOPER

MINI PROJECT IN PYTHON

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PROJECT TITLE SHEET
SIMPLE BANKING IN PYTHON

Project Report Submitted

*In partial fulfillment of the requirement for the proficient certificate
course*

Done By
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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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PROJECT OBJECTIVE

An Banking project in python typically involves simulating basic Banking 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.

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

SOURCE CODE:

```
class BankAccount:
    def __init__(self, account_holder):
        self.account_holder = account_holder
        self.balance = 0.0

    def deposit(self, amount):
        if amount > 0:
            self.balance += amount
            print(f"Deposited {amount:.2f}")
        else:
            print("Deposit amount must be positive.")

    def withdraw(self, amount):
        if 0 < amount <= self.balance:
            self.balance -= amount
            print(f"Withdrew {amount:.2f}")
        else:
            print("Invalid withdrawal amount.")

    def check_balance(self):
        print(f"Current balance: Rs{self.balance:.2f}")

def main():
    print("Welcome to Simple Bank")
    name = input("Enter your name: ")
    account = BankAccount(name)
```

while True:

```
print("\n1. Deposit\n2. Withdraw\n3. Check Balance\n4. Exit")
```

```
choice = input("Choose an option: ")
```

```
if choice == '1':
```

```
    amount = float(input("Enter amount to deposit: "))
```

```
    account.deposit(amount)
```

```
elif choice == '2':
```

```
    amount = float(input("Enter amount to withdraw: "))
```

```
    account.withdraw(amount)
```

```
elif choice == '3':
```

```
    account.check_balance()
```

```
elif choice == '4':
```

```
    print("Thank you for using Simple Bank.")
```

```
    break
```

```
else:
```

```
    print("Invalid option. Please try again.")
```

```
if __name__ == "__main__":
```

```
    main()
```

=====

COMPLETE THE PROGRAM

=====

OUTPUT:

DEPOSIT :

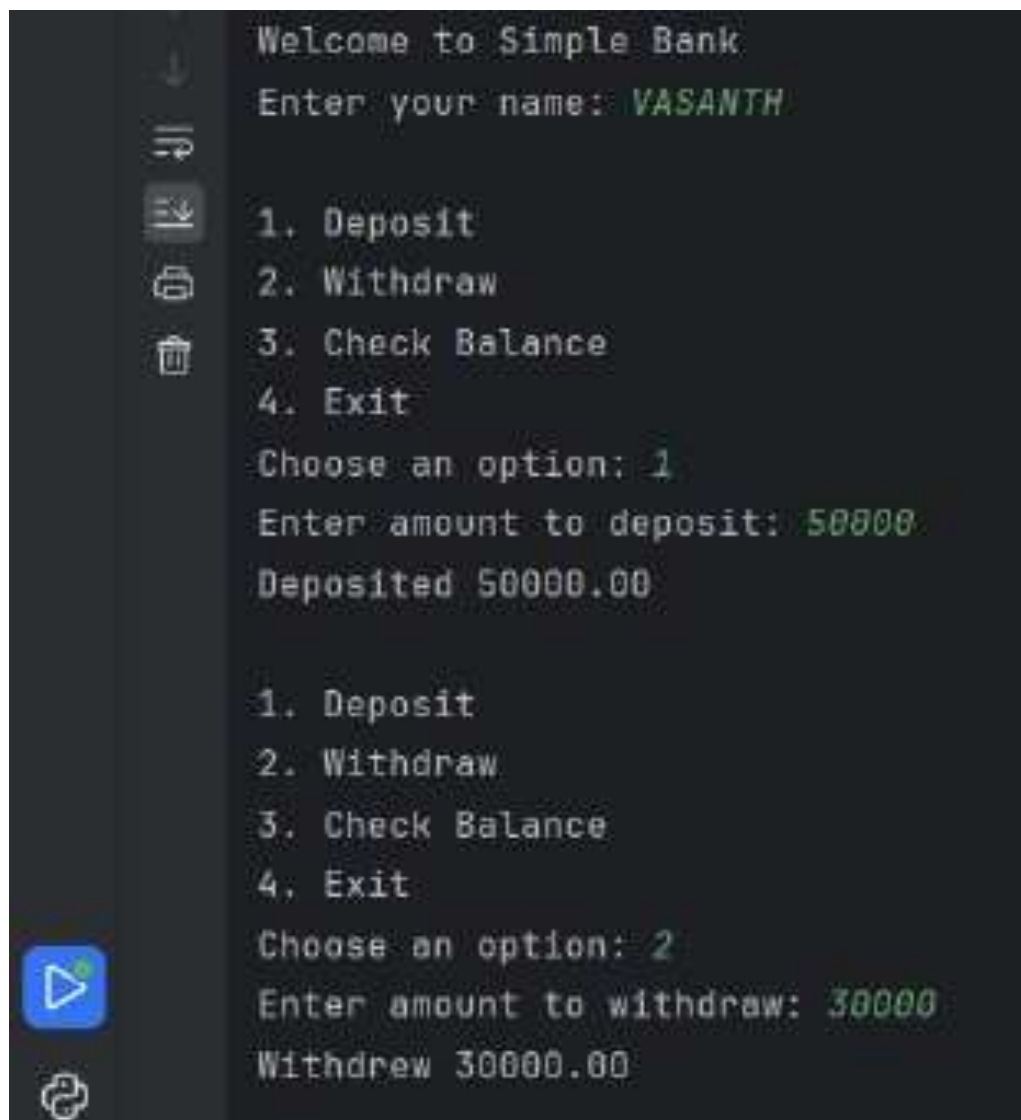
```
Welcome to Simple Bank
Enter your name: VASANTH

1. Deposit
2. Withdraw
3. Check Balance
4. Exit

Choose an option: 1
Enter amount to deposit: 50000
Deposited 50000.00
```


OUTPUT:

WITHDRAW :



```
Welcome to Simple Bank
Enter your name: VASANTH

1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Choose an option: 1
Enter amount to deposit: 50000
Deposited 50000.00

1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Choose an option: 2
Enter amount to withdraw: 30000
Withdrew 30000.00
```

The image shows a terminal window with a dark background. On the left side, there is a vertical toolbar with several icons: a back arrow, a list icon, a document with an arrow, a printer, and a trash can. Below these, there is a blue square icon with a white play button and a circular icon with a document and an arrow. The main text area of the terminal displays the output of a program. It starts with a welcome message, prompts for a name (VASANTH), and then presents a menu of options: 1. Deposit, 2. Withdraw, 3. Check Balance, and 4. Exit. The user selects option 1, enters an amount of 50000, and the program confirms the deposit. Then, the user selects option 2, enters an amount of 30000, and the program confirms the withdrawal.

OUTPUT:

BALANCE ENQUIRY :

```
1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Choose an option: 1
Enter amount to deposit: 50000
Deposited 50000.00

1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Choose an option: 2
Enter amount to withdraw: 30000
Withdrew 30000.00

1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Choose an option: 3
Current balance: Rs20000.00
```