**50.Simple bank operation program using python class and member functions?**

**Objective:**

* To create a simple python program for bank operations in python3.

**Process:**

* Create Bank class.
* Create deposit,withdraw and show\_balance methods.
* Declare name and balance.
* Create object for Bank class.
* Calling the methods using objects.

**Input:**

* Deposit amount.
* Withdrawal amount.
* Output:
* Initial balance.
* After deposit.
* After withdrawal.

**Source code:**

#bank classs

class Bank:

def \_\_init\_\_(self, name, balance=500):

self.name = name

self.balance = balance

#deposit method

def deposit(self, amount):

self.balance += amount

#withdraw method

def withdraw(self, amount):

if amount > self.balance:

raise ValueError("insufficient funds")

self.balance -= amount

#show method

def show\_balance(self): #are accessor methods needed in Python?

return self.balance

#main method

def main():

customer1 = Bank('Sathish')

print("Initial balance")

print(customer1.show\_balance())

customer1.deposit(500)

print("\n")

print("After deposit")

print(customer1.show\_balance())

print("\n")

print("After withdrawal")

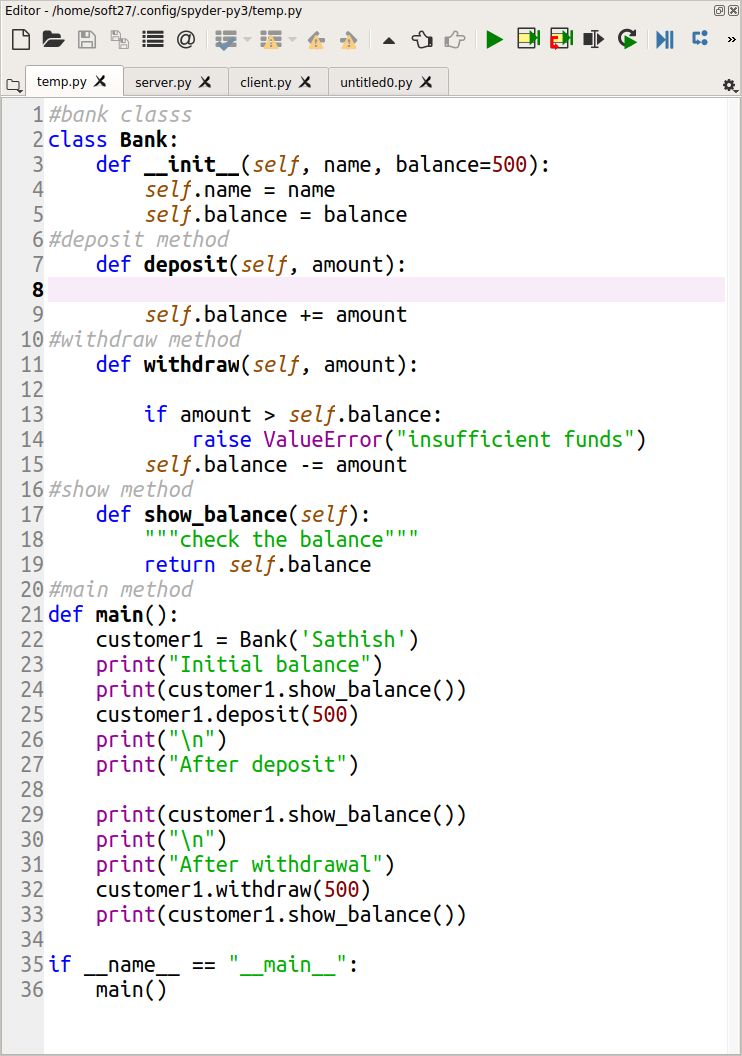
customer1.withdraw(500)

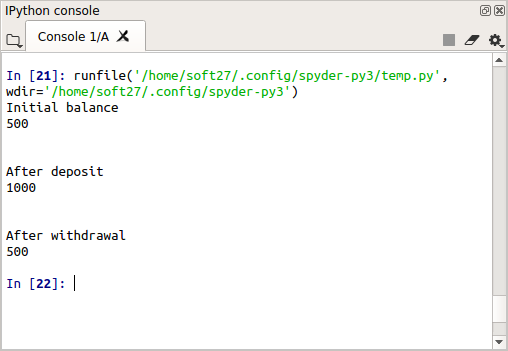
print(customer1.show\_balance())

if \_\_name\_\_ == "\_\_main\_\_":

main()

**Screen shots:**

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