

class BankAccount:

def \_\_init\_\_(self, account\_number,  
account\_holder\_name,  
initial\_balance=0.0):

self.\_\_account\_number =  
account\_number

self.\_\_account\_holder\_name =  
account\_holder\_name

self.\_\_account\_balance =  
initial\_balance

def deposit(self, amount):  
if amount > 0:

self.\_\_account\_balance +=  
amount

print("Deposited {}. New  
balance:{}".format(amount,  
self.\_\_account\_balance))

else:

print("Invalid deposit amount")

def withdraw(self, amount):

if amount < 0 and account <=  
self.\_\_account\_balance:

self.\_\_account\_balance -= amount

print("withdraw {}. New  
balance: {}".format(amount,  
self.\_\_account\_balance))

else:

print("Invalid withdraw amount")

def display\_balance(self):

print("Account balance  
for {} (Account {}):

{}".format(self.\_\_account\_holder\_name,

```
print("Account balance  
for {} (Account {}):  
{}".format(self._account_holder_name,  
self._account_number,  
self.__account_balance))  
account =  
BankAccount(account_number  
="123456789",  
account_holder_name =  
"pavi",  
initial_balance = 5000.0)  
account.display_balance()  
account.deposit(500.0)  
account.withdraw(200.0)  
account.display_balance()
```