```
 /nix/store/zqk3m21442kvpjwd3rh41wdavqkzkyik-python3-wrapper/bin/python3 $file
Hello!!! Welcome to the Deposit & Withdrawal Machine
Enter amount to be Deposited: 45000
 Amount Deposited: 45000.0
Enter amount to be Withdrawn: 5000

 You Withdrew: 5000.0

 Net Available Balance= 40000.0
```

```
1  # Python program to create Bankaccount
   class
2  # with both a deposit() and a
   withdraw() function
3  class Bank_Account:
4      def __init__(self):
5          self.balance=0
6          print("Hello!!! Welcome to the
   Deposit & Withdrawal Machine")
7
8      def deposit(self):
9          amount=float(input("Enter
   amount to be Deposited: "))
10         self.balance += amount
11         print("\n Amount
   Deposited:",amount)
12
```

Challenge 2.1

```
13      def withdraw(self):
14          amount = float(input("Enter amount to be Withdrawn: "))
15          if self.balance>=amount:
16              self.balance-=amount
17              print("\n You Withdrew:", amount)
18          else:
19              print("\n Insufficient balance  ")
20
21      def display(self):
22          print("\n Net Available Balance=",self.balance)
23
24  # Driver code
25
26  # creating an object of class
```

Ln 32, Col 12 History

main.py

Run

Challenge 2.1

```
23
24  # Driver code
25
26  # creating an object of class
27  s = Bank_Account()
28
29  # Calling functions with that class
    object
30  s.deposit()
31  s.withdraw()
32  s.display()
33
```

```
 /nix/store/zqk3m21442kvpjwd3rh41wdavqkzkyik-python3-wrapper/bin/python3 $file
True
False
False
True
```

```python
# Python example to check if a class is
# subclass of another

class Base(object):
    pass    # Empty Class

class Derived(Base):
    pass    # Empty Class

# Driver Code
print(issubclass(Derived, Base))
print(issubclass(Base, Derived))

d = Derived()
b = Base()

# b is not an instance of Derived
```

```
8       pass    # Empty Class
9
10  # Driver Code
11  print(issubclass(Derived, Base))
12  print(issubclass(Base, Derived))
13
14  d = Derived()
15  b = Base()
16
17  # b is not an instance of Derived
18  print(isinstance(b, Derived))
19
20  # But d is an instance of Base
21  print(isinstance(d, Base))
```