#Assignment 2-Group A
"""
Write a python program that computes the net amount of a bank account based a
transaction log from console input.
The transaction log format is shown as following:
    D 100 W 200 (Withdrawal is not allowed if balance is going negative.
    Write functions for withdraw and deposit)
    D means deposit while W means withdrawal.
Suppose the following input is supplied to the program:
D 300
D 300
W 200
D 100
Then, the output should be: 500
"""

```python
def deposit(num):
    global balance
    balance = balance + num



def withdrawal(num):
    global balance
    if (balance > num):
        balance = balance - num


list1 = []
balance = 0

while True:
    data = input("Please enter the transaction details:\n")
    if 'Exit' == data:
        break
    """
    split()-->The split() method returns a list of all the words in the string, using str as the separator
    (splits on all whitespace if left unspecified),
    optionally limiting the number of splits to num.
    """
    list1.append(data.split())
print(list1)

for var in list1:
    if (var[0] == 'D'):
```

```python
        deposit(int(var[1]))
    elif (var[0] == 'W'):
        withdrawal(int(var[1]))

print("Balance is :", balance)

'''Output:
Please enter the transaction details:
D 300
Please enter the transaction details:
D 300
Please enter the transaction details:
W 200
Please enter the transaction details:
D 100
Please enter the transaction details:
Exit
[['D', '300'], ['D', '300'], ['W', '200'], ['D', '100']]
Balance is : 500
```