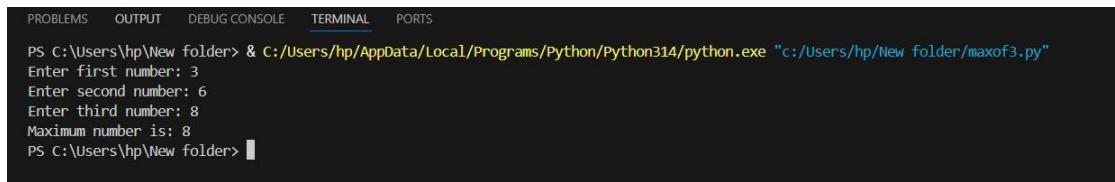


# 1

```
a = int(input("Enter first number: "))
b = int(input("Enter second number: "))
c = int(input("Enter third number: "))

if a >= b and a >= c:
    maximum = a
elif b >= a and b >= c:
    maximum = b
else:
    maximum = c

print("Maximum number is:", maximum)
```



The screenshot shows a terminal window with the following content:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\hp\New folder> & C:/Users/hp/AppData/Local/Programs/Python/Python314/python.exe "c:/Users/hp/New folder/maxof3.py"
Enter first number: 3
Enter second number: 6
Enter third number: 8
Maximum number is: 8
PS C:\Users\hp\New folder>
```

VASANTH

## 2

```
amount = float(input("Enter order amount: "))
customer = input("Customer type (regular/premium): ")
distance = float(input("Enter distance (km): "))
payment = input("Payment mode (online/offline): ")

discount = 0

if amount > 1000:
    discount = amount * 0.10
elif amount > 500:
    discount = amount * 0.05

if customer == "premium":
    discount = discount + (amount * 0.05)

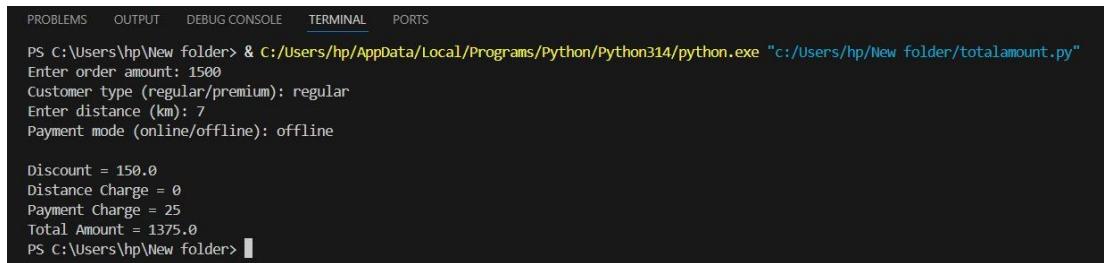
amount_after_discount = amount - discount

distance_charge = 0
if distance < 5:
    distance_charge = 25

payment_charge = 0
if payment == "offline":
    payment_charge = 25

total = amount_after_discount + distance_charge + payment_charge

print("\nDiscount =", discount)
print("Distance Charge =", distance_charge)
print("Payment Charge =", payment_charge)
print("Total Amount =", total)
```



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\hp\New folder> & C:/Users/hp/AppData/Local/Programs/Python/Python314/python.exe "c:/Users/hp/New folder/totalamount.py"
Enter order amount: 1500
Customer type (regular/premium): regular
Enter distance (km): 7
Payment mode (online/offline): offline

Discount = 150.0
Distance Charge = 0
Payment Charge = 25
Total Amount = 1375.0
PS C:\Users\hp\New folder>
```

### 3

```
units = int(input("Enter units consumed: "))
senior = input("Is senior citizen? (yes/no): ")

solar = input("Has solar panel? (yes/no): ")

payment = input("is Payment mode offline: (yes or no)")

if units <= 100:
    bill = units * 3
elif units <= 300:
    bill = (100 * 3) + (units - 100) * 5
else:
    bill = (100 * 3) + (200 * 5) + (units - 300) * 8

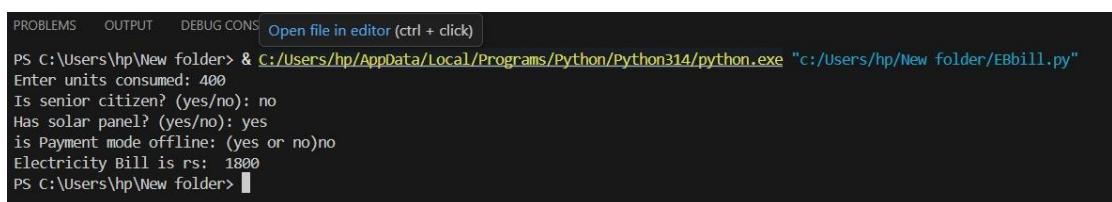
if (senior == "yes"):
    bill = bill * 0.90

if solar == "yes" :
    if units <= 250:
        bill -= 50
    else:
        bill -= 300

if payment == "yes" :
    if bill < 1000:
        bill += 50
    else:
        bill += 100

if bill < 200:
    bill = 200

print("Electricity Bill is rs: ", bill)
```



```
PROBLEMS OUTPUT DEBUG CONSOLE Open file in editor (ctrl + click)
PS C:\Users\hp\New folder> & C:/Users/hp/AppData/Local/Programs/Python/Python314/python.exe "c:/Users/hp/New folder/EBbill.py"
Enter units consumed: 400
Is senior citizen? (yes/no): no
Has solar panel? (yes/no): yes
is Payment mode offline: (yes or no)no
Electricity Bill is rs: 1800
PS C:\Users\hp\New folder>
```

## 4

```
class Test:
```

```
    def __init__(self, message):
        print("Message:", message)
        self.amount = []
        self.total = 0

    def cal_disc(self):
        discount_price = []

        for i in self.amount:
            print("Amount in disc price:", i)

            if i > 500:
                discount_price.append(i * (10 / 100)) # 10% discount
            else:
                discount_price.append(0)

        return discount_price
```

```
def set_user_input(self):
```

```
    for i in range(3):
        amt = float(input("Enter amount: "))
        self.amount.append(amt)
```

```
def get_final_amount(self):
```

```
    disc_price = self.cal_disc()

    print("CALCULATED Disc Price:", disc_price)

    for i, j in enumerate(self.amount):
        self.total += (j - disc_price[i])

    return self.total
```

```
test_obj = Test("Welcome")
```

```
test_obj.set_user_input()
```

```
final_bill = test_obj.get_final_amount()
```

```
print("Final Bill:", final_bill)
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\hp\New folder> & C:/Users/hp/AppData/Local/Programs/Python/Python314/python.exe "c:/Users/hp/New folder/orderamtclass.py"
Message: Welcome
Enter amount: 700
Enter amount: 500
Enter amount: 300
Amount in disc price: 700.0
Amount in disc price: 500.0
Amount in disc price: 300.0
CALCULATED Disc Price: [700.0, 500.0, 300.0]
Final Bill: 1430.0
PS C:\Users\hp\New folder>
```

## 5

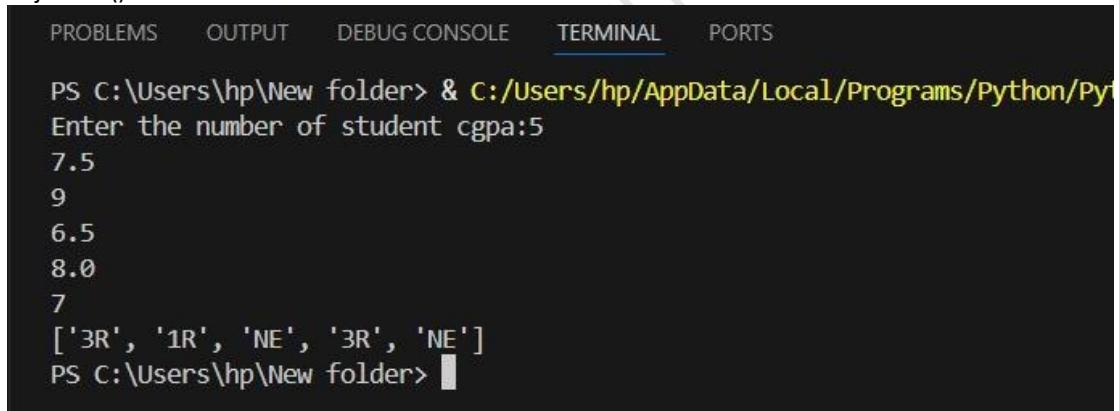
```
class Placement:

    def get_input(self):

        self.cgpa_list = []
        n = int(input("Enter the number of student cgpa:"))
        for i in range(n):
            cgpa = float(input())
            self.cgpa_list.append(cgpa)

    def check(self):
        result = []
        for cgpa in self.cgpa_list:
            if cgpa > 8.5:
                result.append("1R")
            else:
                if cgpa > 7.0:
                    result.append("3R")
                else:
                    result.append("NE")
        print(result)

obj = Placement()
obj.get_input()
obj.check()
```



The screenshot shows a terminal window with the following content:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\hp\New folder> & C:/Users/hp/AppData/Local/Programs/Python/Py
Enter the number of student cgpa:5
7.5
9
6.5
8.0
7
['3R', '1R', 'NE', '3R', 'NE']
PS C:\Users\hp\New folder>
```