In [17]:
```
#Q-1
a = int(input("Enter the first No. "))
b = int(input("Enter the second No. "))
print("1.Addition\n")
print("2.Subtraction\n")
print("3.Multiplication\n")
print("4.Division\n")
choice = int(input("Choose the operation :"))
if choice == 1:
    res = a+b
    print("The result is : "+str(res))
elif choice == 2:
    res = a-b
    print("The result is : "+str(res))
elif choice == 3:
    res = a*b
    print("The result is : "+str(res))
elif choice == 4:
    res = a/b
    print("The result is : "+str(res))
elif choice == 5:
    res = a%b
    print("The result is : "+str(res))
else:
    print("Wrong Operator Choice")
```

```
Enter the first No. 34
Enter the second No. 5
1.Addition

2.Subtraction

3.Multiplication

4.Division

Choose the operation :3
The result is : 170
```

In [22]:
```
#Q-2
Mat1 = []
print("Enter First Matrix")
for i in range(3):
    a = []
    for j in range(3):
        a.append(int(input()))
    Mat1.append(a)

Mat2 = []
print("Enter Second Matrix")
for i in range(3):
    a = []
    for j in range(3):
        a.append(int(input()))
    Mat2.append(a)

res = [ [0,0,0],
        [0,0,0],
        [0,0,0] ]

#Multiplication
for i in range(len(Mat1)):
   for j in range(len(Mat2[0])):
       for k in range(len(Mat2)):
           res[i][j] += Mat1[i][k] * Mat2[k][j]
print("Result\n")
for r in res:
   print(r)
```

```
Enter First Matrix
34
56
12
89
34
89
23
0
12
Enter Second Matrix
45
12
54
87
34
67
98
45
101
Result

[7578, 2852, 6800]
```

```
[15685, 6229, 16073]
[2211, 816, 2454]
```

In [23]:
```python
#Q-3
str = input("Enter a String : \n")
words = str.split()
words.sort()
for word in words:
    print(word)
```

```
Enter a sentence :
A well crafted article
A
article
crafted
well
```

In [ ]:

In [ ]: