1.Write a Python function to find the Max of three numbers.

In [3]:
```
def max_ele(lst):
    if lst[0] >= lst[1] and lst[0]>=lst[2]:
        return lst[0]
    elif lst[1]>=lst[2]:
        return lst[1]
    else:
        return lst[2]
lst = [1,2,3]
print(max_ele(lst))
```

```
3
```

2.Write a Python function to sum all the numbers in a list.

In [7]:
```
def sum_lst(lst):
    result =0
    for ele in lst:
        result+=ele
    return result
print(sum_lst(lst))
```

```
6
```

3. Write a Python function to multiply all the numbers in a list.

In [16]:
```
 def multiply_lst(lst):
    result = 1
    for ele in lst:
        result*=ele
    return result
print(multiply_lst(lst))
```

```
6
```

In [ ]:
```

```

4. Write a Python program to reverse a string.

In [10]:
```
string = 'string'

print(string[::-1])
```

```
gnirts
```

5. Write a Python program to create a function that takes one argument, and that argument will be multiplied with an unknown given numbe

In [15]:
```
def func_compute(n):
    return lambda x : x * n
result = func_compute(5)
print(result(5))
```

```
25
```

6. Write a Python program to sort a list of dictionaries using Lambda.

In [24]:
```
dic = [{'make': 'Nokia', 'model': 216, 'color': 'Black'},
       {'make': 'Mi Max', 'model': '2', 'color': 'Gold'},
       {'make': 'Samsung', 'model': 7, 'color': 'Blue'}]

print(sorted(dic, key=lambda d: d['color']) )
```

```
[{'make': 'Nokia', 'model': 216, 'color': 'Black'}, {'make': 'Samsung', 'mode
l': 7, 'color': 'Blue'}, {'make': 'Mi Max', 'model': '2', 'color': 'Gold'}]
```

7. Write a Python program to filter a list of integers using Lambda. Go to the editor

In [56]:
```
lst = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
even = list(filter(lambda x: x%2==0, lst))
odd = list(filter(lambda x: x%2!=0, lst))
print(even)
print(odd)
```

```
[2, 4, 6, 8, 10]
[1, 3, 5, 7, 9]
```

8. Write a Python function that accepts a string and calculate the number of upper case letters and lower case

In [58]:
```
string = input("enter the string:")
count = 0
for ele in string:
    if ele.isupper():
        count+=1
print(count)
```

```
enter the string:ffnovnfjWW
2
```

9. Write a Python program to print the even numbers from a given list.

In [61]:
```
lst = [1,2,3,4,5,6,7,8,9]
for ele in lst:
    if ele%2==0:
        print(ele)
```

```
2
4
6
8
```

10. Write a Python program to get the largest number from a list. without max function

In [62]:
```
lst = [1,2,3,4,5,6,7,8,9]
max_ele = float('-inf')
for ele in lst:
    if ele > max_ele:
        max_ele = ele
print(max_ele)
```

```
9
```

11. Write a Python program to get the smallest number from a lis without miin

In [64]:
```
lst = [1,2,3,4,5,6,7,8,9]
min_ele = float('inf')
for ele in lst:
    if ele < min_ele:
        min_ele = ele
print(min_ele)
```

```
1
```

12. Write a Python program to remove duplicates from a list

In [65]:
```
lst = [1,1,2,2,3,4,4,4,5,6,6]
unique_ele = []
for ele in lst:
    if ele not in unique_ele:
        unique_ele.append(ele)
print(unique_ele)
print(set(lst))
```

```
[1, 2, 3, 4, 5, 6]
{1, 2, 3, 4, 5, 6}
```