Functions

Write a Python function to find the Max of three numbers

```
In [1]:  def maxi_of_3(a, b, c):

             if (a >= b) and (a >= c):
                 largest = a

             elif (b >= a) and (b >= c):
                 largest = b

             else:
                 largest = c

             return largest



         a = 120
         b = 124
         c = 132
         print(maxi_of_3(a, b, c))
```

```
132
```

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

```
In [2]:  def sum_of_num(numbers):
             sum = 0
             for x in numbers:
                 sum += x
             return sum
         print(sum_of_num((8, 82, 33, 10, 7)))
```

```
140
```

Write a Python function to check whether a number is in a given range

```
In [3]:  # Given range
         X = int(input("Enter the lower limit of range: \n "))
         print("\n")
         Y = int(input("Enter the upper limit of range: \n "))
         print("\n")
         def range_num(num):
             # using comaparision operator
             if X <= num <= Y:

                 print('The number {} is in range ({}, {})'.format(num, X, Y))

             else:

                 print('The number {} is not in range ({}, {})'.format(num, X, Y))

         num=int(input("enter any number:"))
         range_num(num)
```

```
Enter the lower limit of range:
 1


Enter the upper limit of range:
 56


enter any number:125
The number 125 is not in range (1, 56)
```

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

In [4]:
```python
def even_num(lst):
    even_list = []
    for num in lst:
        if num % 2 == 0:
            even_list.append(num)
    return even_list


lst=[1, 2, 3, 4, 5, 6, 7, 8, 9, 0]

print(even_num(lst))
```

```
[2, 4, 6, 8, 0]
```

Write a Python function that checks whether a passed string is palindrome or not

In [11]:
```python
mes=input("Enter the word and see if it is palindrome : ")
if mes==mes[::-1]:
    print("This word is PALINDROME..")
else:
    print("This word is NOT PALINDROME..!")
```

```
Enter the word and see if it is palindrome : sankeerthan
This word is NOT PALINDROME..!
```