Que.1 Create a function and the functionality should be it should print “Hello caller” Call this function multiple times

```
def my_function():
    for i in range(5):
        print("Hellocaller")
        i = i+1
my_function()
```

```
Hellocaller
Hellocaller
Hellocaller
Hellocaller
Hellocaller
```

Que 2 Create a function which accept one variable(parameter) and print its value

```
def my_function():
    print("Inside AIML")
my_function()
```

```
Inside AIML
```

Que 3 Create a function which accepts one variable and checks whether its even or odd

```
num1 = int(input("Enter the number it is even or odd"))
def EvenOdd(num1):
    if (num1 % 2 == 0):
        print(num1,"It is a even number")
    else:
        print(num1,"It is a odd number")
EvenOdd(num1)
```

```
Enter the number it is even or odd56
56 It is a even number
```

```
num1 = int(input("Enter the number it is even or odd"))
def EvenOdd(num1):
    if (num1 % 2 == 0):
        print(num1,"It is a even number")
    else:
        print(num1,"It is a odd number")
EvenOdd(num1)
```

```
Enter the number it is even or odd33
33 It is a odd number
```

Que 4 Create a function which accept two values and prints which one is larger value

```
num1 = int(input("Enter the first number"))
num2 = int(input("Enter the second number"))
def Values(num1,num2):
    if (num1>num2):
        print("The larger number is",num1)
    else:
        print("The larger number is",num2)
Values(num1,num2)
```

```
Enter the first number85
Enter the second number89
The larger number is 89
```

Que 5 Create a function which accept two values and prints which one is smaller value

```
num1 = int(input("Enter the first number"))
num2 = int(input("Enter the second number"))
def Values(num1,num2):
    if (num1<num2):
        print("The smaller number is",num1)
    else:
        print("The smaller number is",num2)
Values(num1,num2)
```

```
Enter the first number85
Enter the second number78
The smaller number is 78
```

Que 6 Create a function which can accept any number of parameters

```
def define_average(first_arg, *rest_arg):
    average = (first_arg + sum(rest_arg)) / (1 + len(rest_arg))
    print(f"Output \n *** The average for the given numbers
{average}")

# Call the function with two numbers
define_average(1, 2,5,9,8)
```

```
Output
 *** The average for the given numbers 5.0
```

Que 7 Create a function which will accept a list and functionality of the function should be it should iterate over the list and print all the elements with there respective indexes

```
lst = [4,5,6,7,8,9]
def func(lst):
    for i in range(len(lst)):
          print(f"index is {i} and element is {lst[i]}")
func(lst)
```

```
index is 0 and element is 4
index is 1 and element is 5
index is 2 and element is 6
index is 3 and element is 7
index is 4 and element is 8
index is 5 and element is 9
```

Que 8 Create a function which will have default parameters and doesn't give error when we don't pass the parameters

```
def greet(name, message='Hello'):
    return f"{message} {name}"


greeting = greet('Rohit', 'Hii')
print(greeting)
```

```
Hii Rohit
```

```
def wishing(name, message='Hii'):
    print( f"{name} {message} ")


greeting = greet('Rohit', 'Wish you all the best for your exam')
print(greeting)
```

```
Wish you all the best for your exam Rohit
```

Que 9 Create a function which can find the largest item inside the list

```
lst1 = [25,56,32,45,78,89]
def my_function(lst1):
    print(max(lst1))
my_function(lst1)
```

```
89
```

Que 10 Create a function which a print all even and odd number over a specified range

```
number1 = int(input("Enter the start of range:"))
number2 = int(input("Enter the end of range:"))

for number in range(number1, number + 1):
    if number % 2 != 0:
        print(number)
```

```
Enter the start of range:12
Enter the end of range:32
13
15
17
19
21
23
25
27
29
```

```
number1 = int(input("Enter the start of range:"))
number2 = int(input("Enter the end of range:"))

for number in range(number1, number + 1):
    if number % 2 == 0:
        print(number)
```

```
Enter the start of range:12
Enter the end of range:45
12
14
16
18
20
22
24
26
28
30
```

```
number1 = int(input("Enter the start of range:"))
number2 = int(input("Enter the end of range:"))

for number in range(number1, number + 1):
    if number % 2 != 0:
        print(number)
```

```
Enter the start of range:12
Enter the end of range:40
```

13
15
17
19
21
23
25
27
29