1. Write a code to define a function

```
def greet_user():
   print("hello")
   print("Welcome Buddy")
print("Start of function")
greet_user()
print("End of funtion")
```

```
Start of function
hello
Welcome Buddy
End of funtion
```

2. Define a futions for Multiplication

```
def mul(num1,num2):
  mul=num1*num2
  print("Multiplication of entered numbers is :",mul)
a=int(input("Enter number1 ::"))
b=int(input("Enter number2 ::"))
mul(a,b)
```

```
Enter number1 ::4
Enter number2 ::5
Multiplication of entered numbers is : 20
```

3. Write a function also make use of formatted string.

```
def user(name):
  print(f'Hii {name}')
print("Start of funtion")
a=input("Enter your name :")
user(a)
print("End of function")
```

```
Start of funtion
Enter your name :Om Takale
Hii Om Takale
End of function
```

4. Write a code for a function with arguments.

```
def stdinfo(name , branch,age):
  print(f'Hi My name is {name},I study in {branch} branch and my age is {age}')
a=input("Enter your name:")
b=input("Enter your branch :")
c=int(input("Enter your age :"))
stdinfo(a,b,c)
```

```
Enter your name:OM TAKALE
Enter your branch :C.S.E
Enter your age :19
Hi My name is OM TAKALE,I study in C.S.E branch and my age is 19
```

5. Write a function to perform addition and substaction. Use return statement.

```
def addsub(x,y):
  c=x+y
  d=x-y
  return c,d
x=int(input("Nmuber1 :"))
```

```
y=int(input("Number2 :"))
radd,rsub=addsub(x,y)
print("Addition :",radd)
print("Substraction :",rsub)
```

```
Nmuber1 :4
Number2 :3
Addition : 7
Substraction : 1
```

6. Write a code to perform addition using lambda function.

```
add=lambda l,k:l+k
a=int(input("Num1 ="))
b=int(input("Num2 ="))
print("Addition is :",add(a,b))
```

```
Num1 =3
Num2 =4
Addition is : 7
```

7. Write a code for factorial of number without recursive function

```
def fact(num):
  fact=1
  for i in range(num):
    fact=fact*(i+1)
  return fact
num=int(input("Enter any number :"))
print("Factorial of entered number is :",fact(num))
```

```
Enter any number :4
Factorial of entered number is : 24
```

8. Write a code for factorial of number with recursive funtion

```
def rfact(num):
  if num==1:
    return 1
  else :
    return num*rfact(num-1)
num=int(input("Enter any number :"))
print("Factorial of entered number is :",rfact(num))
```

```
Enter any number :4
Factorial of entered number is : 24
```

9. Define your own module for add sub mul div of two numbers and import it in another python code.

```
import sys
sys.path.insert(0,'/Content/drive/My Drive/Colab Notebooks')
```

```
import moduleimport
```

```
import moduleimport
print(moduleimport.add(3,5))
print(moduleimport.sub(3,5))
print(moduleimport.mul(3,5))
print(moduleimport.div(10,5))
```

```
8
-2
15
2.0
```