**Python -4**

**\*\*Exercise 4.1 :\*\***

Create a function named\*\* display\*\*

### START CODE HERE ###

def display:

print("Hello from a function")

### END CODE HERE ###

**Output**: Hello from a function

**\*\*Exercise 4.2 :\*\***

Let the function return the\*\* x\*\* parameter – 10

### START CODE HERE ###

def my\_function(x):

return(x-10)

print(my\_function(20))

### END CODE HERE ###

**Output**: 10

**Exercise 4.3 :**

1) Create a function called **add**, which takes two numbers as parameters and prints their addition.

2) Display the additon of **12** and**36**.

### START CODE HERE ###

def add(x,y):

print(x+y)

add(12,36)

### END CODE HERE ###

**Output**: 48

**Exercise 4.4 :**

Write a shutting down function:

1) Define a function, **shut\_down**, that takes one argument s.

2) If the **shut\_down** function receives an **s** equal to**1**, it should return **"Shutting down"** Alternatively, elif **s** is equal to **2,** then the function should return **"Shutdown aborted"**. Finally, if**shut\_down** gets anything other than those inputs, the function should return **"Sorry".**

## START CODE HERE ###

def shut\_down(x):

if(x==1):

print("Shutting down")

elif(x==2):

print ("Shutdown aborted")

else:

print("Sorry")

shut\_down(5)

### END CODE HERE ###

**Output**: Sorry

**Exercise 4.5 :**

Write functions to **add**,**subtract, divide,** and **multiply** two numbers

### START CODE HERE ###

def add(x,y):

print(x+y)

def subtract(x,y):

print(x-y)

def divide(x,y):

print(x/y)

def multiply(x,y):

print(x\*y)

add(8,4)

subtract(8,4)

divide(8,4)

multiply(8,4)

### END CODE HERE ###

**Output**:

12

4

2

32

**# \*\*Exercise 4.6 :\*\***

Create and define a Function **greet** to greet **"Monica", "Ross", "Chandler", "Joey", "Rachel"** and **"Phoebe"**

### START CODE HERE ###

def greet(\*x):

for y in x:

print("Hello "+x)

greet("Monica","Ross","Chandler","Joey","Rachel","Phoebe")

### END CODE HERE ###

**Output:**

Hello Monica

Hello Ross

Hello Chandler

Hello Joey

Hello Racheal

Hello Phoebe