Exercise 3.1:

Create a list named BestOfTv add the following items in it Breakin Bad,Game of Thrones and Mr R

- Remove Game Of Thrones from it.
- Add Friends to the list at 0 index.
- Check if Game Of Thrones is in the list if it is print("GOT is in BestOfTv") otherwise print("GC

```
[ ]  ### START CODE HERE ##
     BestOfTv = ["Breaking Bad", "Game of Thrones", "Mr Robot"]
     print(BestOfTv)

     BestOfTv.remove("Game of Thrones")
     print(BestOfTv)

     BestOfTv.insert(0, "Friends")
     print(BestOfTv)

     if "Game of Thrones" in BestOfTv:
       print("GoT is in BestOfTv")
     else:
       print("GoT is not in BestOfTv")
                                      ##Check if Game Of Thrones is in the list
```

```
['Breaking Bad', 'Game of Thrones', 'Mr Robot']
['Breaking Bad', 'Mr Robot']
['Friends', 'Breaking Bad', 'Mr Robot']
GoT is not in BestOfTv
```

Exercise 3.2:

Perform the following action on the tuple

- Display the length of the tuple
- Display the item in third position

```
[ ]  ### START CODE HERE ###

     food = ("pizaa", "burger", "cake")
     print(len(food))                    ##Display the
     print(food[2])
```

```
3
cake
```

Exercise 3.3:

Write a Python script to perform the following actions on a **set**.

- Create a set called games with items witcher,cs,fortnite.
- Add pubg to the set
- Remove fortnite from the set
- Empty the set

```
[ ]  ### START CODE HERE
     games = {"witcher", "cs", "fortnite"}
     print(games)
     games.add("pubg")
     print(games)
     games.remove("fortnite")
     print(games)
     games.clear()
     print(games)
     ### END CODE HERE ###
```

```
{'fortnite', 'witcher', 'cs'}
{'fortnite', 'witcher', 'cs', 'pubg'}
{'witcher', 'cs', 'pubg'}
set()
```

Exercise 4.1 :

Create a function named **display**

```
[ ]  ### START CODE HERE ###
     def display():
       print("Hello from a function")
     ### END CODE HERE ###
```

Exercise 4.2 :

Let the function return the **x** parameter - 10

```
[ ]  ### START CODE HERE ###
     def my_function(x):
        return x-10
                                        ## 1 line of code
     ### END CODE HERE ###
```

Exercise 4.3 :

1) Create a function called **add**, which takes two numbe

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

```
[ ]  ### START CODE HERE ###
     def add(x,y):
       return x+y
                                          ## 2-3 ]


     print(add(12, 36))

     ### END CODE HERE ###
```

Expected output:

46

Exercise 4.5 :

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

```
[ ]  ### START CODE HERE ###

     # This function adds two numbers and returns their addition
     def add(x,y):
       print(x+y)
       return x+y


     # This function subtracts two numbers  and returns their subtraction
     def subtract(x,y):
       print(x-y)
       return x-y


     # This function multiplies two numbers  and returns their division
     def divide(x,y):
       print(x/y)
       return x/y


     # This function divides two numbers  and returns their multiplication
     def multiply(x,y):
       print(x*y)
       return x*y

     ### END CODE HERE ###
     add(8,4)
     subtract(8,4)
     divide(8,4)
     multiply(8,4)
```