1. Create an empty list in python?
2. How we can convert the given list into the set ? Give Example
3. In which data type, indexing is not valid ? Give Example
4. In which of the following data type, duplicate items are not allowed ?
5. If L=[9,3,7,6,1,2,0], then l[100] is what?
6. If L=[1,2,3,4], then l[-2] is what?
7. Write a Python program which accepts the radius of a circle from the user and compute the area. **Hint: use input() to take input from user**
8. Write a Python program which accepts a sequence of comma-separated numbers from user and generate a list and a tuple with those numbers.
9. Write a Python program to accept a filename from the user and print the extension of that.
10. Write a Python program to display the first and last colors from the following list.

Fruit\_list = ["Apple","Mango","Cherry" ,"Banana"]

1. Write a Python Program to Find the Square Root of a given number.
2. Write a Python Program to Calculate the Area of a Triangle.
3. Write a Python Program to Swap Two Variables without using third variable.
4. Write a Python Program to Convert Celsius To Fahrenheit.
5. What is IndexError and TypeError ? Explain with Suitable example.
6. Explain append() and extend() in a list with suitable example.
7. Differentiate between remove(),pop(), and clear() functions of a list with suitable example.