**13.What is list comprehension in python?**

**Objective:**

* To know about the list comprehension concept in python3.

**Process:**

* **List comprehension**:

As list comprehension returns list, they consists of brackets containing the expression which needs to be executed for each element along with the for loop to iterate over each element.

List comprehensions are used for creating new list from another iterables.

* **Syntax:**

[expression for loop one\_or\_more conditions]

**Input:**

* Simple list.

**Output:**

* New list

**Source code:**

#simple list

list1=[2,4,5,7]

#list comprehension

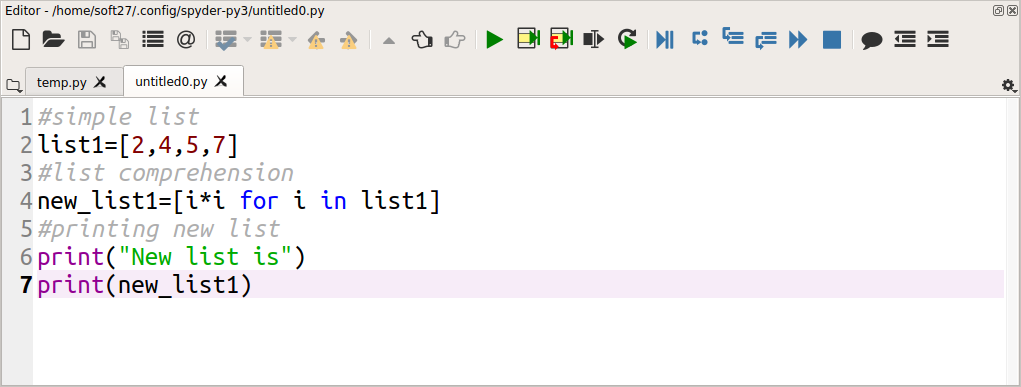
new\_list1=[i\*i for i in list1]

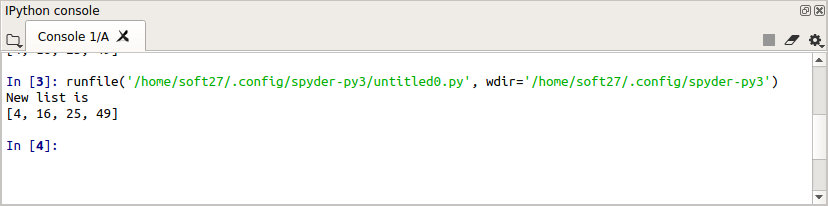
#printing new list

print("New list is")

print(new\_list1)

**Screen shot:**

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