1. . What is the difference between enclosing a list comprehension in square brackets and parentheses?

Answer:

List comprehension is enclosed in [] brackets.

Generator expression is enclosed in () brackets.

2. what is the relationship between generators and iterators?

Answer:

Iterators are created with the help of looping generators.

Every iterator is not a generator but generator is an iterator.

3. what are the signs that a function is a generator function?

Answer:

If the body of a def function contains yield, it is a generator function

4. what is the purpose of a yeild statement?

Answer:

It helps to avoid exiting until the next time it is called.

5. What is the relationship between map calls and list comprehensions? Make a comparison between the two

Answer:

List is more clear and consise are than map calls.

List allows filtering map calls does not.

List is more fast than map in case of calling a defined function.