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

List comprehension with square brackets gives a list.

Whereas, with parenthesis it creates generators.

1. What is the relationship between generators and iterators?

Generators are another way of creating iterators in a simple way where it uses the keyword ‘yield.’ An iterator is an object which contains a countable number of values and it is used to iterate over iterable objects like lists, tuples etc.

1. What are the signs that a function is a generator function?

If a function contains at least one yield statement, then it becomes a generator function

1. What is the purpose of a yield statement?

A yield statement looks much like a return statement, except that instead of stopping execution of the function and returning, yield instead provides a value to the code looping over the generator and pauses execution of the generator function.

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

* List comprehension is more concise and easier to read as compared to map
* List comprehension allows filtering. In map, we have no such facility