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

Enclosing a list within square bracket means it is a list and enclosing the same within parenthesis means it is a tuple.

1. What is the relationship between generators and iterators?

Generators is a function that produces or yields a sequence of values using a yield statement. Iterators are the objects that use the next () method to get the next value of the sequence.

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

If a function contains at least one yield statement (it may contain other yield or return statements), it becomes a generator function. Both yield and return will return some value from a function.

1. What is the purpose of a yield statement?

The yield statement suspends function's execution and will send a value back to the caller, but retains enough state to enable function to resume where it is left off.

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

List are easier to read as compared to map. List comprehension will be used when a list of results is required as map only returns a map object and does not return any list, whereas Map is faster in case of calling an already defined function