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

**Ans**: square bracket is for list comprehension and parentheses is for tuple comprehension.

1. What is the relationship between generators and iterators?

**Ans**: iterator uses the next function internally to iterate over to next element in a sequence and generators are enabled with the key word yield which generates a sequence of values based on logic and previous value in the sequence to save memory occupation.

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

**Ans:**  yield statement indicates that a function is a generator.

1. What is the purpose of a yield statement?

**Ans:** yield statement is used to convert a function into a generator

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

**Ans:**  similarity is both iterate over every single element of the list but syntax is different and list comprehension returns a list and map returns a map object.