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

Ans => square brackets means it is a simple list and parentheses means it’s a dictionary

2) What is the relationship between generators and iterators?

Ans=>

Iterator are objects which uses next() method to get next value of sequence.

A generator is a function that produces or yields a sequence of values using yield method.

3) What are the signs that a function is a generator function?

Ans=>it contains yield keyword

4) What is the purpose of a yield statement?

Ans=>

Yield is a keyword in Python that is used to return from a function without destroying the states of its local variable

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

Ans =>

List comprehension is more concise and easier to read as compared to map.

List comprehension is faster than map