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

**Ans:** list comprehension in square bracket are list and in parenthesis its tuple

2) What is the relationship between generators and iterators?

**Ans:** Every generator is iterator but vice versa is not true.  
Generator we get by using yield function in return

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

**Ans:** If a function contain yield statement means it’s a generator function.

4) What is the purpose of a yield statement?

**Ans:** yield statement used as a return of function and provide a object which is iterable

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

**Ans:** list return the value in the form of list and map return a map object

Comparison:

list comprehension is more readable

in list we can apply filter like if-else but in map comprehension its not possible