1. Write a function that takes an integer and returns the bit length of that integer
2. Write a function that accepts a list and returns a list with all the elements squared. Use Docstring and annotate the function
3. Given 3 iterables a=[1,2,3,4,5], b=(10,20,30,40) and c = “This is life”, using list comprehension zip items from the three iterables together.
4. What is the use of \_\_call\_\_. Explain by writing your class and implementing \_\_call\_\_
5. Write a function named format\_number that takes a non-negative number as its only parameter.

Your function should convert the number to a string and add commas as a thousands separator.

1. What are callables ? Explain with an example
2. Is the statement True issubclass(Exception,BaseException)
3. Write your own Exception. Think of a scenario where you would like to write your own Exception
4. A,\*,C = 10,20,30,40,50,60. What would be the content and type of A and C. What about \*.

**SAMPLE QUESTIONS**