1)What is module in python with example?  
Modules refer to a file containing Python statements and definitions. A file containing Python code, for example: [example.py](http://example.py/), is called a module, and its module name would be example . We use modules to break down large programs into small manageable and organized files.  
  
2) What is the difference between module package and library?  
The module is a simple Python file that contains collections of functions and global variables and with having a .py extension file. It is an executable file and to organize all the modules we have the concept called Package in Python.  
  
The package is a simple directory having collections of modules. This directory contains Python modules and also having \_\_init\_\_.py file by which the interpreter interprets it as a Package. The package is simply a namespace. The package also contains sub-packages inside it.

3) How to create a python module?  
Python module can be created by creating a file with the [extension.py](http://extension.py/) that contains all the functions wrote by the user.  
  
4) What is class and object in python?  
A class is a code template for creating objects. Objects have member variables and have behaviour associated with them. In python a class is created by the keyword class. An object is created using the constructor of the class. This object will then be called the instance of the class.  
  
5) what is self in \_\_init\_\_ python?  
In the init method, self refers to the newly created object; in other class methods, it refers to the instance whose method was called.