**Assignment 2**

1. Why we need packages in java?
2. What is the default imported package?
3. What is Class? What is Object?
4. Why we need constructor?
5. What is the default value of local variable? What is the default value of instance variable?
6. What is garbage collection?
7. The protected data can be accessed by subclasses or same package. True or false?
8. What is immutable class?
9. What’s the difference between “==” and equals method?
10. What is wrapper class?
11. What is autoboxing?
12. StringBuilder is threadsafe but slower than StringBuffer, true or false?
13. Constructor can be inherited, true or false?
14. How to call a super class’s constructor?
15. Which class is the super class of all classes?
16. Create a program to count how many files/folders are there inside one folder.

* the count method should take a parameter called Criteria like this: count(Criteria criteria){}
* For Criteria class, multiple conditions should be included such as: folder path, includeSubFolder or not, the extension of the file be counted and so on.
* Optional: Take the input from keyboard.
* Take care of the invalid inputs. Exception handling.
* Get proper result displayed.  
  ”There are XXX file(s) and XXX folder(s) inside folder XXX with extension XXX.” or something user friendly.