**Java Day6- Assessment**

(Packages & Access Specifiers, Wrapper Class, Object Cloning)

1. Write a Package TYBCA which has two classes Subject and Marks. Subject Class is for accepting Subjects and Marks class is to accept marks. Create a main class which will use package and calculate total marks and percentage.

2. Write a java program to create two packages. In first package create employee class with employee number, name & salary. In second package create a class manager which is subclass of employee class having fields as department name & incentive. Create main class which will import these packages & display gross salary.

3. Write a program to access the public, protected, private and default member of a class in the same package and also in different package.

4. Write a Java program to create a package for Book details having Book Name, Price and Author name and import the created package using importing package where we can create the object of classes in this package and access the method of that class.

5. Modify the ―distance class by creating constructor for assigning values (feet and inches) to the distance object. Create another object and assign second object as reference variable to another object reference variable. Further create a third object which is a clone of the first object.

6. Write a program to create a multilevel package and also creates a reusable class to generate Fibonacci series, where the function to generate Fibonacci series is given in a different file belonging to the same package.

5. Write a program to demonstrate wrapper class while performing auto boxing and unboxing