**Assignment 3**

1) Create an abstract class Bird and create 3 named sub classes like Parrot, Eagle and Duck. Design appropriate common methods in the Bird class and override them in the respective sub classes to show appropriate behavior of a named bird.

2) Create an interface named TvRemote with appropriate methods in it and use them in 3 different Branded TVs like BPLTv, SOnyTv and PanasonicTv..

3) Write a program to extend one interface to another and then implement in the classes

4)Create a package org.demo.tools and org.demo.client .

Create Calculator class in tools package which contains add,multiply,subtract methods with 2 parameters set using Constructor of Calculator class.

Use Calculator class from another class MathTester in **client** package, call all the methods of Calculator from MathTester

5) Check the access specifiers in different packages.

6) Write a class which shows the usage of instanceof operator

7) Check the type casting concept in super class and subclass