



WEEK #7

LAB ASSIGNMENTS

1. Illustrate the usage of abstract class with following Java classes
 - i) An abstract class “student” with data member roll no, reg no and an abstract method course()
 - ii) A subclass “kiitian” with course() method implementation
2. Define an interface Motor with a data member –capacity and two methods such as run() and consume(). Define a Java class “Washing machine” which implements this interface and write the code to check the value of the interface data member thru an object of the class.
3. Define an interface with three methods – earnings(), deductions() and bonus() and define a Java class “Manager” which uses this interface without implementing bonus() method. Also define another Java class “SubStaff” which extends from “Manager” class and implements bonus() method. Write the complete program to find out earnings, deduction and bonus of a sub-staff with basic salary amount entered by the user as per the following guidelines –

earnings → basic + DA (80% of basic) + HRA (15% of basic)

deduction PF → 12% of basic

bonus → 50% basic