**Lab Exercise on Packages**

Date : 05-04-2022

1) In a Manufacturing Unit, there are workers like Part-time workers and Full-Time workers. Write a superclass Total\_workers and subclasses Part-timer Workers and Full-Time Workers. Every worker has a name, designation, number of hours worked and salary. Design a Parameterised method that computes the weekly pay for every worker. A Part-Time worker gets paid the hourly wage for the actual number of hours worked, if hours are at most 30. If the hourly worker worked more than 30 hours, the excess is paid at time and a half. The Full-Time worker gets paid the hourly wage for 50 hours, no matter what the actual number of hours is. Design a package that computes the pay of any worker. Apply suitable Java inheritance that executes these classes and methods.

2) Define a class Package1.Passenger with the following attributes: Name of the passenger, Street, town, state, pincode, age, source, and destination. Define a suitable constructor and a method for displaying details of the passenger. Define a class called Package2.Train with the following attributes: Train no, Starting point of travel, Destination of travel, date of Journey. Write java programs of accessing the details of a passenger travelling to a destination.