**Assignment 2 - CLO 3**

**Question**

private String id;

private String quesStatement;

private String answer;

Question() //argument

Set and get

toString()

**Person**

private String name;

private int age;

Person() //default

Person(?) //argument

Set and get

toString()

**Student**

private String regID;

private String pswd;

Student() //default

Student(?) //argument

Set and get

toString()

**Exam**

private Question[] q = new Question[10];

private Student s;

private double score;

Exam( ? ) // argument

Set and get for ‘q’ and ‘s’

TakeExam( ) //present questions to user and ask for answers , update the score

displayStatus( ) // display ‘pass’ if score in exam is 50 percent and ‘fail’ if less

toString()

In the runner create an exam and call TakeExam() and displayStatus() methods.

1. Create the hierarchy below.

**Person (abstract Class)**

**Data:**

Private String FirstName

Private Date HireDate

Private Boolean hasCompanyCar;

**Methods:**

Argument Constructor()

Public abstract earning()

**Manager (Class)**

**Data:**

Private Employee[] eArray;

Private int noOfProjects;

Private int projectPay;

**Methods:**

Argument Constructor

**Employee (Class)**

**Data:**

Private String Designation;

Private int wage;

Private int workingHours;

**Methods:**

Argument Constructor

In the runner class; call earning method polymorphically.

Note: A manager can have 3 employees.