Thursday program date-20/07/2022

1.We have to calculate the percentage of marks obtained in three subjects (each out of

100) by student A and in four subjects (each out of 100) by student B. Create an abstract

class 'Marks' with an abstract method 'getPercentage'. It is inherited by two other

classes 'A' and 'B' each having a method with the same name which returns the

percentage of the students. The constructor of student A takes the marks in three

subjects as its parameters and the marks in four subjects as its parameters for student

B. Create an object for eac of the two classes and print the percentage of marks for both

the students.

2. Write a program that would print the information (name, year of joining, salary, address)

of three employees by creating a class named 'Employee'. The output should be as

follows:

Name Year of joining Address

Robert 1994 64C- WallsStreat

Sam 2000 68D- WallsStreat

John 1999 26B- WallsStreat

3. Create a class called Book to represent a book. A Book should include four pieces of information

as instance variables‐a book name, an ISBN number, an author name and a publisher. Your class

should have a constructor that initializes the four instance variables. Provide a mutator method

and accessor method (query method) for each instance variable. In addition, provide a method

named getBookInfo that returns the description of the book as a String (the description should

include all the information about the book). You should use this keyword in member methods

and constructor. Write a test application named BookTest to create an array of object for 30

elements for class Book to demonstrate the class Book's capabilities.