

Exercise 1:

Write a class Student with data members,

String name

Double marks1 , marks2, marks2, average and total

Write a parameterized constructor which takes the student and the three marks as parameter and calculate the total and average in the constructor. And write getter methods for name, average and total

Write a class StudentCollection which has a ArrayList of Students.

Write a method add in which 20 Student objects are added to the list.

Write a method studentDetails() which displays a list of students with average ≥ 60 , average > 50 && < 60 and average ≤ 50 and display the total in each case.

Exercise 2:

Reuse the Student class

Write a class MyCollection which has a LinkedList and a ArrayList.

Add 20 Student objects to the LinkedList.

Write a method sortStudents() in which students with average ≥ 60 are removed and added into the ArrayList and display the total no of students with average ≥ 60 and < 60 .