ArrayList and Class

Exercise-II

Date: 23.7.25   marks: 15 marks

1. Define a class called Time with data members: hour(int), min(int),sec(int). The member functions are: default constructor, constructor with three integer arguments to initialize data members of Time object and void display() – that displays the details about the Time object. Write a Test class in which the objects of Time are created and methods called.

2. Create an arraylist<String> that consists of subjects enrolled by student. Perform the following :

   a. Initially the list is empty and add the subjects to the list in the order of student attended.
   b. Remove a subject
   c. Check whether the student has enrolled for a particular subject and if so return the position of the subject
   d. Find out how many subjects he/she had enrolled
   e. Find out what was the last subject he/she had enrolled
   f. Find out whether the given subject was taken as the fourth subject

3. Define class called Book with data members: bookTitle(String), price(double), publisherName(String) and yearofPublication(int). the member functions are: constructor with four arguments to initialize data members of Book object and void display() – that displays the details about the Book object. Write a Test class in which the objects of Book are created and methods called.