5. Consider **Program 5** where.

- `answers` holds correct answers (in lowercase) to a fill-in-the-blanks test.
- `student` contains a student's answers to the test.

Student answers can be a mixture of upper/lower case but this does not affect scoring. The score for a test is the number of questions the student answered correctly.

Given :

- `answers:` north left   right south   room
- `student:` north LEFT blah SoUtH   xyz

the score is 3.

Given :

- `answers:` north left   right south   room java cobol
- `student:` north LEFT blah SoUtH   xyz   java   COBOL

the score is 5.

Complete method **score** in Program 5 so it returns the student's score for a test.

Your code <u>must work for any values</u> passed in to `score`, and not just the sample data shown.

```java
import java.util.ArrayList;
public class Program5
{
    // sample code illustrating the method score being used
    public static void main(String[] args){
        ArrayList<String> answers = new ArrayList<>();
        ArrayList<String> student = new ArrayList<>();
        answers.add("north"); answers.add("left"); answers.add("right");
        answers.add("south"); answers.add("room");
        student.add("north"); student.add("LEFT"); student.add("blah");
        student.add("SoUtH"); student.add("xyz");
        System.out.println(score(answers, student));
    }
    public static int score(ArrayList<String> a, ArrayList<String> s){
```

(10) 6. The main method in **Program 6** uses the Box class. Do not change the main method. You must complete the Box class with getters, setters, and other methods as necessary. Note the intention of the main method is to instantiate several boxes and then display for each box its length, width, height and volume. The volume of a box is length times width times height. The output from the main method in Program 6 must be:

```
1 2 3 6
10 10 10 1000
```

```java
import java.util.ArrayList;
public class Program6 {
    public static void main(String[] args){
        Box b1=new Box(1, 2, 3);
        Box b2=new Box(10, 10, 10);
        System.out.println(b1+" "+b1.volume());
        System.out.println(b2+" "+b2.volume());
    }
}
public class Box
{
    private int height, width, length;
```