Given the following classes, write the code for the **CSEStudent, BBAStudent and LAWStudent** class so that the following output is printed when we run the **TestStudent** class.

**I am BRACU student**

**name: abc Department: CSE**

**Number of total students: 1**

**I am BRACU student**

**name: def Department: BBA**

**Number of total students: 2**

**I am BRACU student**

**name: ghi Department: LAW**

**Number of total students: 3**

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| **public class Student{**  **private String name = "Just a Student";**  **private String department = "nothing";**  **static int totalStudent = 0;**  **protected int getStudentCount(){**  **return totalStudent;**  **}**  **protected void setDepartment(String dpt){**  **this.department = dpt;**  **}**  **protected String getDepartment(){**  **return department;**  **}**  **protected String getName(){**  **return name;**  **}**  **protected void setName(String n){**  **this.name = n;**  **}**  **public String toString(){**  **return "I am BRACU student";**  **}**  **}**  **public class TestStudent{**  **public static void printName(Student s){**  **System.out.println(s.toString());**  **System.out.println("Number of total students: "+s.getStudentCount());**  **}**  **public static void main(String [] args){**    **CSEStudent c = new CSEStudent("abc");**  **printName(c);**  **BBAStudent b = new BBAStudent("def");**  **printName(b);**  **LAWStudent l = new LAWStudent("ghi");**  **printName(l);**  **}**  **}** |