Consider the following classes:

```java
public class Student {
    public String name;
    private String[] courses;
    private int courseNum;
    public final int MAX_COURSES = 10;

    public Student(String name) {
        this.name = name;
        courses = new String[MAX_COURSES];
        courseNum = 0;
    }

    public Student(Student s) {
        name = s.name;
        courseNum = s.courseNum;
        courses = new String[MAX_COURSES];
        for(int i=0; i<courseNum; i++)
            courses[i] = s.courses[i];
    }

    public void addCourse(String courseName) {
        if(courseNum < MAX_COURSES)
            courses[courseNum++] = courseName;
    }

    // added later
    public String toString() {
        return name + " " + Arrays.toString(courses);
    }
}
```

(a) How many attributes (instance variables)? 4

(b) How many constructors? 2

(c) Any copy constructor? 1

(d) How many instance methods? 1

(e) Can we run this class after compiling? No, there's no main method in this class.
public class Registration{

   public static void main(String[] args){
      Student st0 = new Student();  // (error! Since there is no constructor with no input)
      Student st1 = new Student("John Doe");
      st1.addCourse("CS170");
      st1.addCourse("BUS 201");

      System.out.println(st1.name);
      --> John Doe
      System.out.println(st1.courseNum);
      --> Error! CourseNum is private and can't be accessed outside the class.
      System.out.println(Arrays.toString(st1.courses));
      --> Error! courses is private and can't be accessed outside the class.

      Student st2 = st1;
      st2.name = "Alice Smith";
      st2.addCourse("PHYS115");
      System.out.println(st1.name);
      --> Alice Smith
      System.out.println(st2.name);
      --> Alice Smith

      Student st3 = new Student(st1);
      st3.name = "Bob Brown";
      System.out.println(st1.name);
      --> Alice Smith
      System.out.println(st2.name);
      --> Alice Smith
      System.out.println(st3.name);
      --> Bob Brown
      st3.addCourse("MATH 107");

      System.out.println(st1);
      --> some memory address will be printed!
   //How will you fix this problem? Print the result here after fixing it.
   --> we can add a toString method inside the Student class, so whenever we print an object of
      this class, toString method will be called automatically.

      System.out.println(st2);
      --> Alice Smith { CS170, BUS 201, PHYS115, null , …}
      System.out.println(st3);
      --> Bob Brown { CS170, BUS 201, PHYS115, MATH 107 , null, …}
   }
}
}