

## BCDE223 SYNTAX TEST #3

Student Name \_\_\_\_\_ Marks out of 10 \_\_\_\_\_

Markers \_\_\_\_\_

*Closed book, closed directory, no notes, individual test.*

Write a program called ReverseArray which uses a method with the following signature:

```
public void reverse(int[] intArray)
```

The method accepts an int array, and reverses its orders.

For example, if the input array is {12, 56, 34, 79, 26}, the reversal is {26, 79, 34, 56, 12}.

You MUST NOT use another array in your method (but you need a temporary variable to do the swap).

☐ Your answer MUST be structured with correct MVC

☐ CoRrEcT use OF cAsE

☐ At least 3 different types of variable SCOPE\*

☐ Definition of a class with a constructor\*

☐ Definition\* and initialization\* of an object

☐ “CONSTANTS”\*

☐ Appropriate use of at least 2 different primitive types\*\*\*

☐ Appropriate use of at least 1 build-in type\*

☐ Correct use of the most appropriate Java Looping Statement

☐ Correct definition of functions with parameters and a returned value

☐ Correct definition\*, initialization\* and use of an Array\*

\*– note with comments where they occur

eg // SCOPE #1

You MUST use the code provided over the page

```

public interface View {
    public void say(T message);
    public void add(T message);
}

public class ConsoleView implements View {
    public void say(T message) {
        System.out.println(message);
    }
    public void add(T message) {
        System.out.print(message);
    }
}

//subclass this to make a ReverseArrayController
public class Controller {
    protected View myView;
    private String data;

    // call from ReverseArrayController
    public Controller( View theView){
        this.myView = theView; }

    // override in ReverseArrayController
    public void go() {
        // does nothing
    }
}

```