

LAB

Tuesday 7/29/2008

1. Create a ReverseOrder class that includes the array numbers is declared to have 10 elements. This program reads a list of numbers from the user, storing them in the 10 element array, then prints them in the opposite order.

```
import java.io.*;

public class ReverseOrder {
    public static void main (String[] args) throws IOException{
        // declare a 10 element array and define the array
        .....

        BufferedReader ReadInput = new BufferedReader(new
        InputStreamReader(System.in));

        System.out.println("The size of the array: " + numbers.length);

        .....

        System.out.println("The numbers in reverse order:");

        .....
    }
}
```

2. Create a LetterCount class that reads a sentence from the user and counts the number uppercase and lowercase letters contained in it.

```
import java.io.*;

public class LetterCount{
    public static void main(String[] args) throws IOException {
        final int NUMCHARS = 26;

        // define arrays to store upper and low characters
        .....

        String Input;

        BufferedReader ReadInput = new BufferedReader(new
        InputStreamReader(System.in));
        Input = ReadInput.readLine();

        for (int ch = 0; ch < Input.length(); ch++){
            .....
        }

        System.out.println();
    }
}
```

```
    // print alphabetic characters
    for (int letter = 0; letter < upper.length; letter++){
        .....
    }

    System.out.println();

    // print non-alphabetic characters
    .....
}
}
```