

## 06.04 Virtual Lecture Notes

Compile and run the Hurricanes1 class, so you can observe the output. Then carefully analyze the source code line-by-line while performing a desk check. Your instructor may ask questions about this program during your next Oral Quiz.

```
/**
 * The purpose of this program is to assign the names of five
 * hurricanes to a String array and their corresponding categories
 * to a numeric array. The program prints out the name and
 * category of each hurricane and prints the average category.
 *
 * @author B.Jordan
 * @version 04/27/2007
 */
public class Hurricanes1
{
    public static void main(String[] args)
    {
        double categoryAverage = 0.0;
        int categorySum = 0;

        String [] hurricanes = {"Allen","Alicia","Diana","Bob","Danny"};
        int [] category = {3,3,3,1,1};

        for(int n = 0; n < hurricanes.length; n++)
        {
            categorySum += category[n];
        }

        for(int n = 0; n < hurricanes.length; n++)
        {
            System.out.println("Hurricane " + hurricanes[n] + " was category: " + category[n]);
        }

        System.out.println();
        System.out.println("Average Cateogry: " + (double)categorySum/hurricanes.length);
    }
}
```