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.

```java
/**
 * 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);
   }
}
```