

```

    } // end method Fahrenheit

    //function that accepts temperature in Fahrenheit and displays correct
weather statement
    //for that temp
    public static String weatherStatement(int tempF)
    {
        if (tempF >= 95)
        {
            return "A heat advisory has been issued.";
        }

        else if (tempF >= 85)
        {
            return "Pleasant but warm.";
        }

        else if (tempF >= 70)
        {
            return "Very pleasant weather today.";
        }
        else if (tempF >= 50)
        {
            return "Pleasant but cool.";
        }
        else if (tempF >= 33)
        {
            return "Cold weather.";
        }
        else
        {
            return "A freeze warning has been issued.";
        }
    }

    }// end method weatherStatement
} // end of program for unit 7 assignment

```

Unit 8

```

//IT213 Unit 8 Assignment
public class IT213 YourLastName Unit8 {

    //Main is the entry point for your code
    public static void main(String[] args)
    {
        //Define an integer array that will hold 10 integers. Initialize
it with the ten values
        //given.
        int[] numberArray = { 56, 77, 23, 12, 88, 59, 97, 33, 38, 64 };

        //Define a string array that will hold 10 strings.

```

```

String[] stringArray = new String[10];

//Call findmax() to find the index of the largest item in the
array.
int maxNumIndex = findMax(numberArray, numberArray.length);

//Call evenOrOdd() to determine if each item in numberArray is
even or odd and
stringArray
//place 'even' or 'odd' in the corresponding position in
evenOrOdd(numberArray, stringArray, numberArray.length);

System.out.println("**** Assignment 8 - Arrays ****\n\n");
//print the maximum number determined by findMax as well as the
array index position of
//the largest number
System.out.println("The largest value in the array is " +
numberArray[maxNumIndex] + " located at array index " + maxNumIndex);

//loop through the two arrays and print the integer from integer
array followed by the
//corresponding value from the string array
System.out.println("The numbers were:");
for (int i = 0; i < numberArray.length; i++)

    System.out.println(numberArray[i] + " is " + stringArray[i]);

} //end main() function

//Write a function, named findMax, that will accept two arguments and
return an integer value.
//The first parameter is an integer array. The second parameter is the
size or length of the
//integer array.
public static int findMax(int[] numArray, int length)
{
    int maxValue = numArray[0];
    int maxValuePosition = 0;
    //Loop through the positions in the array, searching all items to
find the largest value
    //in the array.
    for (int i = 0; i < length; i++)
    {
        if (numArray[i] > maxValue)
        {
            maxValue = numArray[i];
            maxValuePosition = i;
        }
    }
    //Return the array index of the largest value found.
    return maxValuePosition;
}

//evenOrOdd function

```

