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**Table Display**

private double convertTemperature(double fahr)

{

double celsius;

celsius = (fahr \* (5.0/9.0)) + 32;

return celsius;

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

// method to convert from Fahrenheit to Celsius

int numbers [] = new int [23];

double results [] = new double [23], total = 0.0, average = 0.0, resultaverage=0.0, resulttotal=0.0;

String numbertext = "<html>", resulttext = "<html>";

DecimalFormat df = new DecimalFormat("####.00");

for (int i=0; i<22; i++ )

{

numbers[i] = i \* 10;

numbertext = numbertext + "<p>" + String.valueOf(numbers[i]);

}

for (int i = 0; i<numbers.length; i++)

{

results[i] = convertTemperature(numbers[i]);

resulttext = resulttext + "<p>" + df.format(results[i]);

}

jLabel3.setText(numbertext);

jLabel4.setText(resulttext);

for (int i = 0; i<numbers.length; i++ )

{

total = total + numbers[i];

}

average = total / numbers.length;

for (int i = 0; i<results.length; i++ )

{

resulttotal = resulttotal + results[i];

}

resultaverage = resulttotal / numbers.length;

jLabel6.setText(String.valueOf(average));

jLabel8.setText(String.valueOf(resultaverage));

}