

During the development of my Election Mastery I created the program in a single block, without making any later revisions to it. This is due to the fact that the theory behind this Mastery is very similar to the last one, because of this I was able to recycle a large amount of the code from my previous Mastery into this one.

Final rendition of my code:

```
package Mastery;

import java.util.Scanner;
import java.text.DecimalFormat;

public class ProjectMastery {

    public static DecimalFormat round = new DecimalFormat("0.00");

    public static void main(String[] args) {

        Scanner userInput = new Scanner(System.in);

        System.out.print("Designing: ");
        int design = userInput.nextInt();

        System.out.print("Coding: ");
        int code = userInput.nextInt();

        System.out.print("Debugging: ");
        int debug = userInput.nextInt();

        System.out.print("Testing: ");
        int test = userInput.nextInt();

        int totalTime = design + code + debug + test;

        double designprcnt = ( (double) design / (totalTime)) * 100;
        double codeprcnt = ( (double) code / (totalTime)) * 100;
        double debugprcnt = ( (double) debug / (totalTime)) * 100;
        double testprcnt = ( (double) test / (totalTime)) * 100;

        System.out.println("\nTotal time spent: " + totalTime + " minutes.");
        System.out.println("\nTask          % Time");
        System.out.println("Designing    " + round.format(designprcnt) + "%");
        System.out.println("Coding       " + round.format(codeprcnt) + "%");
        System.out.println("Debugging    " + round.format(debugprcnt) + "%");
        System.out.print("Testing      " + round.format(testprcnt) + "%");
    }
}
```

I made an attempt to implement a table, but after some research I found it to be unrealistic due to my current comfort level with Java. Because of this I unfortunately had to use a simplistic method of artificially creating a table with unique formatting. This works fine until there is a considerable difference between the total votes of the candidates.

My 'table' formatting:

```
System.out.println("\nCandidate      Votes      Percentage");
System.out.println("Awbrey          " + totalVotesA + "          " + round.format(votesAprcnt) + "%");
System.out.println("Martinez        " + totalVotesM + "          " + round.format(votesMprcnt) + "%");
System.out.println("TOTAL VOTES:    " + totalVotesTotal);
```

An example of a considerable vote difference:

Election Results for New York:

Awbrey: 123

Martinez: 5126

Election Results for New Jersey:

Awbrey: 203

Martinez: 6031

Election Results for Connecticut:

Awbrey: 425

Martinez: 5042

Candidate	Votes	Percentage
Awbrey	751	4.43%
Martinez	16199	95.57%
TOTAL VOTES:	16950	