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| **AP CSP Python with CodeX**  **Mission 10 Assignment** | | **Name:** |
| **Getting Started** | | |
| In this project you will create a device to measure your reaction time. Your time will be displayed and you can try again. **During this lesson you will complete all the goals.** | | |
| **Mission 10 : Reaction Tester Objectives** | | |
| Complete Objective 1  What is an argument?  What are the possible results of randrange(1000, 5000)?  How do you go from milliseconds to seconds?  *Create the file and run the code. Use CodeTrek as needed.* |  | |
| Complete Objective 2 Read ALL the information, and take notes as needed.  *Follow CodeTrek, where you add code for a countdown. Create a function for the countdown, and call it in the main program.* | The countdown() function will start at the first display.clear() and end with the second display.clear() | |
| Complete Objective 3  What does this code do: time.ticks\_ms()  What is the difference between import and from?  *Complete the code. You should be able to do this objective on your own.* |  | |
| Complete Objective 4  Read ALL the information, and take notes as needed.  What function is used to subtract the two times?  *Complete the code. Use CodeTrek if needed.* |  | |
| Complete Objective 5  Read ALL the information, and take notes as needed.  *Complete the code. Use CodeTrek as needed. Be careful with the indenting!* |  | |
| Complete Objective 6  Read ALL the information, and take notes as needed.  You will create a function for the wait.  *You should be able to do this objective on your own. Use CodeTrek as needed.* |  | |
| Take the quiz. How did you do? Is there a concept you need to review? |  | |
| Complete Objective 7  Read ALL the information and take notes as needed.  What problem is fixed in this objective?  How is the problem fixed?  *You should be able to do this objective on your own. Use CodeTrek as needed.* |  | |
| Go to the sandbox.  Make this change to your program.   * Make your code more readable by creating at least one more function.   Run the program and make sure there are no bugs before submitting. | | |
| Submit the ***Reaction\_Time*** program to the teacher. | | |