**Lab 4 Pre-Lab**

**The following exercises must be completed before you come to lab. Your instructor will check your pre-lab exercises at the beginning of the lab period. Completion of the pre-lab is worth 10 points of the total 50 points for the lab.**

Write the pseudocode for the following problem:

A program is needed that will ask the user for number of seconds. The program will then calculate and display the number of hours, minutes, and seconds that corresponds to the number of seconds entered by the user. For example, if a user enters 50391 seconds, the output should be: (Value in bold is user input.)

Enter number of seconds: **50391**

Hours: 13

Minutes: 59

Seconds 51

You are given one set of test data. Create 3 more sets and calculate the expected results:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Expected Results** | | |
|  | **Number of Seconds** | **Hours** | **Minutes** | **Seconds** |
| 1 | 50391 | 13 | 59 | 51 |
| 2 | 36000 | 10 | 0 | 0 |
| 3 | 45000 | 12 | 30 | 0 |
| 4 | 24000 | 6 | 40 | 0 |

PsuedoCode

* ENTER the Number of seconds.
* TO GET, the number of hours divide the number of seconds by 3600. As there are 3600 seconds in one hour.
* THEN, the remaining seconds is computed by deducting the number of seconds in the number of hours by the total number of seconds. The remaining value is assigned to the number of seconds.
* MINUTES are computed by diving the number of seconds by 60. As, there are 60 seconds in a minute.
* THEN, the resultant value is assigned to minutes.
* TO CALCULATE, the remaining seconds, the number of seconds in the minutes is subtracted from the number of seconds.