

Problem Set 1 Exercise #02: Time Conversion

Reference: Lecture 1 notes

Learning objectives: Division and modulo operators

Estimated completion time: 10 minutes

Problem statement:

Write a program **PS1_Ex02_TimeConversion.java** to ask for the number of minutes and convert it into number of hours and minutes. For example, if the input is 200 then the output should be 3 hours 20 minutes. To keep the program simple, you may use the plural form ('hours' and 'minutes') even if the values are zero or one.

Two sample runs are shown below, with user input highlighted in **bold**.

You may use the skeleton program provided in the package to start off.

Important notes:

In your program, you should use meaningful variable names (e.g., *hour*, *minute*) rather than *a*, *b* or *x*, *y*. This way code readability is much improved. Naming of variables is an important aspect of programming style and is examined in PE.

Sample run #1:

```
Enter time in minutes: 195  
3 hours and 15 minutes
```

Sample run #2:

```
Enter time in minutes: 240  
4 hours and 0 minutes
```

Sample run #3:

```
Enter time in minutes: 59  
0 hours and 59 minutes
```