





L2a

[Re-submit Assignment](#)

Due Sep 12, 2018 by 11:59pm **Points** 10 **Submitting** a file upload **File Types** zip
Available after Sep 3, 2018 at 8am

1. Complete [Section_2a_FillInTheCode.java](#) 
2. Complete Programming Activity 1 - section 2.3.4 ([MetricLength.java](#) )
3. Complete Programming Activity 2 - section 2.4 ([TemperatureConversion.java](#) )
4. Create a file called "SecondsToHoursMinutesSeconds.java"
 1. Write commented pseudocode to calculate number of hours, minutes and seconds from given number of seconds.
 2. Trace your algorithm on a piece of paper to make sure it works. Compare to [SecondsToHMS_SampleRun.txt](#) 
 3. In the same file, implement your algorithm in java.
 - Use the remained operator in your calculations.
 - Use at least the following numbers for amount of seconds: 3661, 7384, 1000, 1
 - Calculate on a piece of paper what output each number should produce.
 - Run your program and compare the results to your predictions.
5. When finished, zip and submit. The zip should contain your version of:
 1. Section_2a_FillInTheCode.java
 2. SecondsToHoursMinutesSeconds.java
 3. MetricLength.java
 4. TemperatureConversion.java
6. In the submission comments, provide answers to:
 1. Discussion Questions 1 and 2 below Programming Activity 1
 2. Discussion Questions 1, 2 and 3 below Programming Activity 2

Recall:

- If your project doesn't compile, you will get an F.
- Each file must contain your name, or you will lose half a letter grade.
- All submitted code should be formatted and readable, or you will lose a letter grade.