

# Fall2022 CS201 Lab3

September 19, 2022

## 1 Submission

Please submit your zipped files to Blackboard. Name your zipped file `FirstName_LastName_Lab3.zip`. The wrong file name will have 20 deductions. Your zipped file must contain a lab report (`xx.pdf`) and the java source files (`xx.java`). In the report, you need to **answer each question and give the screenshot of console result for each question**. Submit your java source file of each question separately. The missing of report will result in 50 deductions.

## 2 Exercise

1. Get your current day/time and calculate how much time left to the Lab3 due date (11:59:59 P.M. 9/26/2022).
2. Convert a time from 24-hour clock into 12-hour clock. Specifically, you need to prompt the user to enter the 24-clock time directly. You then print the time in 12-hour clock. (Hint: You may need to use the method `parseInt` with the syntax `"int variableName = Integer.parseInt(stringName);"`, this method can convert a value from string datatype to int datatype.)  
`Enter your time in 24-hour clock (hour:minute:second):`  
`18:00:00`  
`The time in 12-hour clock is 6:00:00 P.M.`
3. Convert a time from 24-hour clock into 12-hour clock. Specifically, you need to prompt the user to enter the value of hour, minute, and second separately. You then print the time in 12-hour clock. The minute and second must be shown two digits number.  
The result in console may like:

```
Enter your hour:
18
Enter your minute:
0
Enter your second:
0
The time in 12-hour clock is 6:00:00:P.M.
```