

Software Practice 1 - Week9

- **Members of term project**
- **Proposal**
- **Previous Lab Practices**
- **Java basic exercises**

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Members of Term Project

- **2 students for single team**
- **Find your teammate(s) as you want**

Term Project

- **Free topic!**
 - Game, chatting program, library management, etc.
 - Choose what you can do your best
- **2 presentations will be taken**
 - Next class for the proposal
 - 15th week for the final
- **Idea can be changed if necessary, but not recommended to do so**

Remaining Schedule(42)

Spring 2018 (Monday)					
This schedule can be changed					
M A R C H	5	12	19	26	
	Introduction & Install and setup Java	Basic Grammar	OOP class-method	OOP APIs	
A P R I L	2	9	16	23	30
	OOP inheritance	Error Handling	File I/O & CSV	MID TERM (no class)	Import or Export Package
M A Y	7	14	21	28	
	National Holiday	Project Proposal & Some Tips	Multi-threading	Socket & Project Intermediate Check	
J U N E	4	11	18		
	GUI	Project Final Presentation	END TERM (no class)		

Remaining Schedule(43)

Spring 2018 (Wednesday)					
This schedule can be changed					
M A R C H	7	14	21	28	
	Introduction & Install and setup Java	Basic Grammar	OOP class-method	OOP APIs	
A P R I L	4	11	18	25	
	OOP inheritance	Error Handling	File I/O & CSV	MID TERM (no class)	
M A Y	2	9	16	23	30
	Import or Export Package	Project Proposal & Some Tips	Multi-threading	Socket & Project Intermediate Check	GUI
J U N E	6	13	20		
	National Holiday	Project Final Presentation	END TERM (no class)		

About your topic!

- **According to the scheduler, we will learn about GUI, socket, and multithreading**
 - GUI helps you make graphical interface
 - Socket enables the communication between two different devices
 - Multithreading enables running multiple jobs simultaneously
- **It's important to use those of features**

About your topic!

- **Term project: 40%**
 - Submission 30% + Proposal presentation 4%
+ Final presentation 6%
- **The factors of grading term project depends on**
 - Does it work well (10%)
 - Sufficiently use of the features learned in this class (10%)
 - Multi-threading
 - GUI
 - Socket
 - File I/O
 - Relative evaluation (10%)

Proposal

- **Introduction**
- **Goal**
- **Ideas**
- **Plan (schedule)**

[Lab – Practice #9]


- <http://codingbat.com/java>
- **You can exercise about Java Basic Grammar**
 - String, Array, Logic, Map an so on.

[Lab – Practice #9]

- Solve 3 any problems in above slide link
 - 1 String
 - 1 Logic
 - 1 Array
- Screenshot like below

The screenshot shows a code editor with a Java method signature: `public boolean or35(int n) {`. Below the code editor is a table with two columns: "Expected" and "Run". The table contains 20 rows of test cases, each with a result and a status. A green checkmark icon is visible at the bottom of the table.

Expected	Run
or35(3) → true	true OK
or35(10) → true	true OK
or35(8) → false	false OK
or35(15) → true	true OK
or35(5) → true	true OK
or35(9) → true	true OK
or35(4) → false	false OK
or35(7) → false	false OK
or35(6) → true	true OK
or35(17) → false	false OK
or35(18) → true	true OK
or35(29) → false	false OK
or35(20) → true	true OK
or35(21) → true	true OK
or35(22) → false	false OK
or35(45) → true	true OK
or35(99) → true	true OK
or35(100) → true	true OK
or35(101) → false	false OK
or35(121) → false	false OK
or35(122) → false	false OK
or35(123) → true	true OK

 All Correct

[Submit]

■ Upload to i-Campus

- Compress your 3 screenshot files to zip file
 - studentID_1.jpg
 - studentID_2.jpg
 - studentID_3.jpg
- File name: studentID_lab9.zip

■ Due date

- Today 23:59:59
 - Class 42 (04/30 Monday)
 - Class 43 (5/2 Wednesday)
- Penalty: **-10%** of each lab score per **one day**