EECS1022 Programming for Mobile Computing (Winter 2021)

Q&A – **Syllabus**

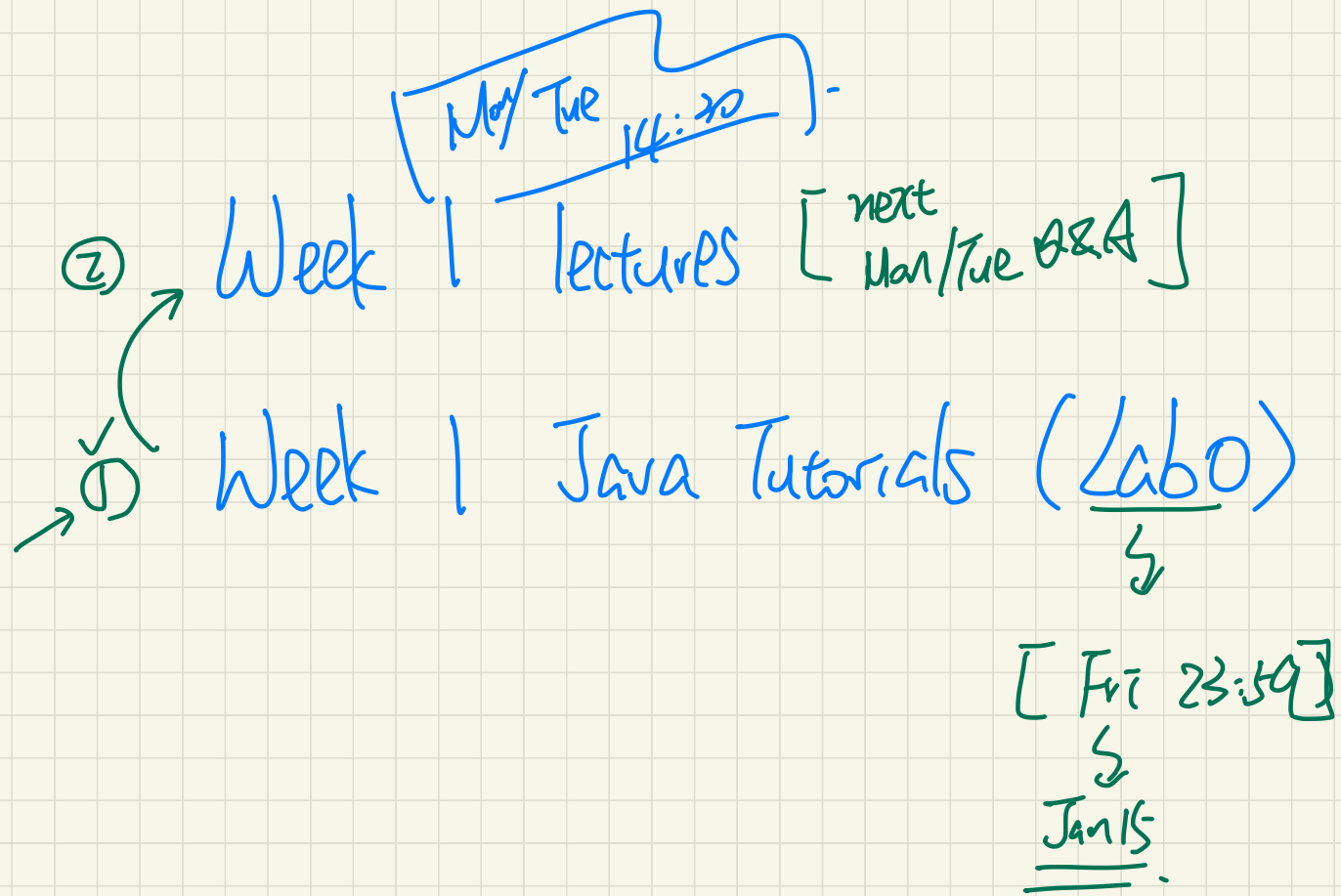Monday, January 11

Java   Eclipse.

→

Github
  ↳ Personal Account
  ✓ ↳ Try. (Private)

? Version of Eclipse
  Java and SE developers

No, stick to Eclipse.

① tutorials done in Eclipse.

② lab starter project is _Eclipse project._

③ programming test + lab submissions
                    may require project archive
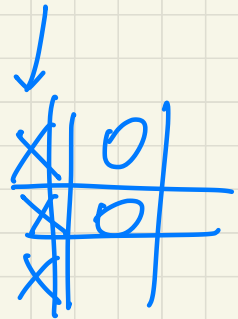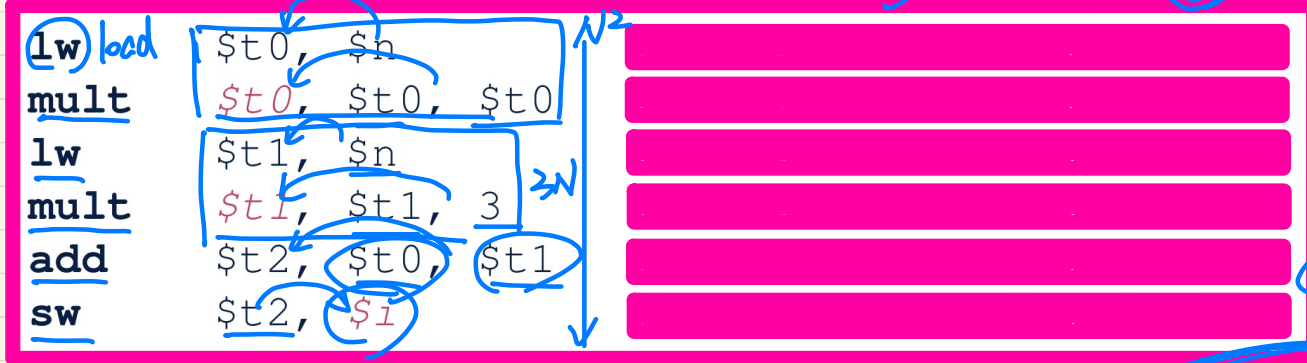   .file

[Mon/Tue 14:30] -

② → Week 1 | lectures [next Mon/Tue Q&A]

① → Week 1 | Java Tutorials (Lab0)
⤷

[Fri 23:59]
⤷
Jan 15

Low-Level PL vs. High-Level PL

Assembly

Say $t0, $t1, $t2, $n, $i are addresses; $n stores value N:

$$\tau = 3N + N^2$$

```
lw    load    $t0,  $n
mult          $t0,  $t0,  $t0
lw            $t1,  $n
mult          $t1,  $t1,  3
add           $t2,  $t0,  $t1
sw            $t2,  $i
```

N^2

$3N$

OOP, e.g., Java

Lab0.

Visualizer

debugger

tool.

```java
1  Scanner keyboard = new Scanner(System.in);
2  int weight = keyboard.nextInt();
3  int height = keyboard.nextInt();
4  int bmi = weight / (height * height);
5  System.out.println("BMI (Body Mass Index) is: " + bmi);
```