HW1

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Lab class notice

- This semester, the lab class will start at 12:10 p.m. on Monday, and the class will start on time and won't wait for those who are late.

- Won't roll call on lab class.

Rules of Homework

- Project Name: HW{number of homework_ID number} , ex: HW1_110306XXX
- The class name where the main function of the code is located must be Main
- Remind uppercase and lowercase
- When the code is compressed and uploaded, please compress the project folder (ex: HW1_110306XXX) into .zip
- Unless otherwise specified by TA, homework that cannot be compiled and executed won’t be accepted.

Rules of Homework

- Before the Lab class, we will upload sample code and slides on GitHub. Please follow the sample code we gave you to complete your homework.

- We will open the WM5 hand-in section before Lab class; the deadline usually is the midnight of the next TA class. The date will different from the date on the teacher's slide.

- If you miss the deadline, your late homework can be made up before the end of the semester in the make-up section of WM5. But can only get 4 out of 5 for late homework.

  (This make-up section will open near the end of the semester.)

Rules of Homework

- Reject the homework of plagiarism and tampering
- First time: Zero point for that homework.
- Second time: Zero point for the entire semester's homework.
- The list of plagiarism and tampering will be announced at the end of the semester.

Download Homework

- First time

  In your computer's folder (where you want to store it), use the command below :

  cd (your folder path)

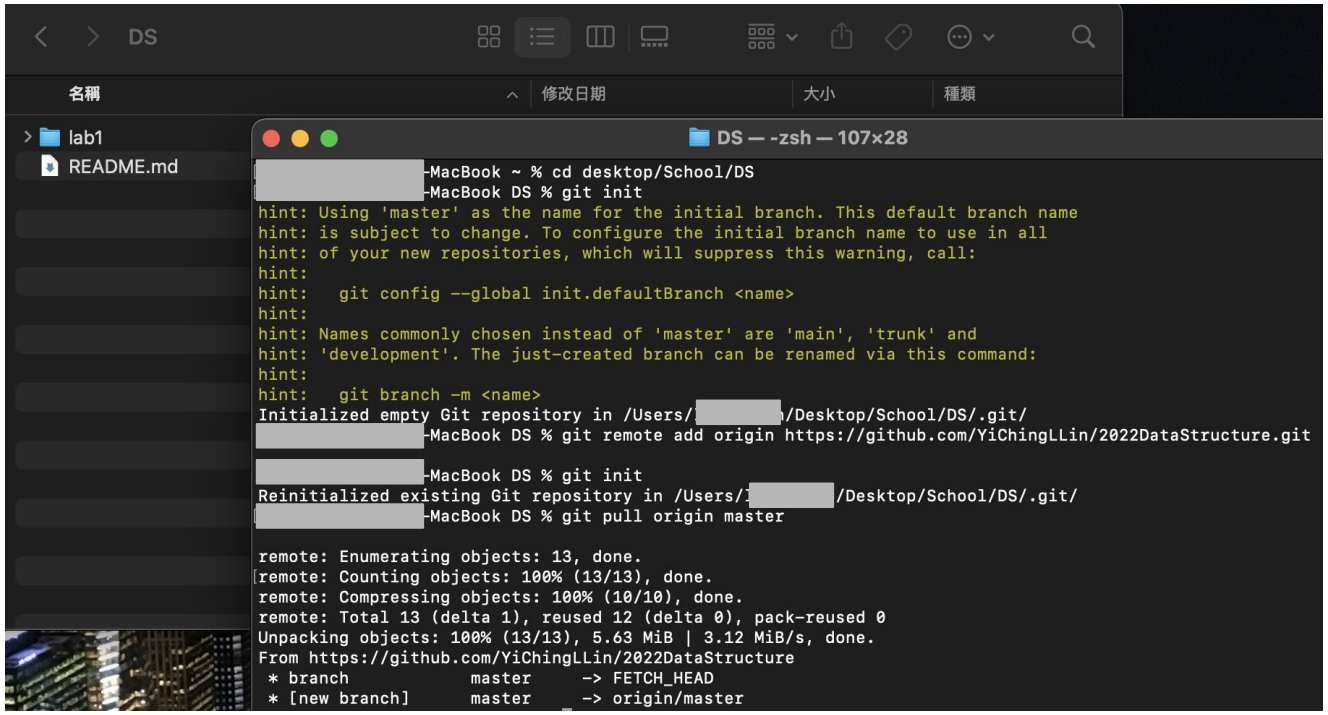
  git init

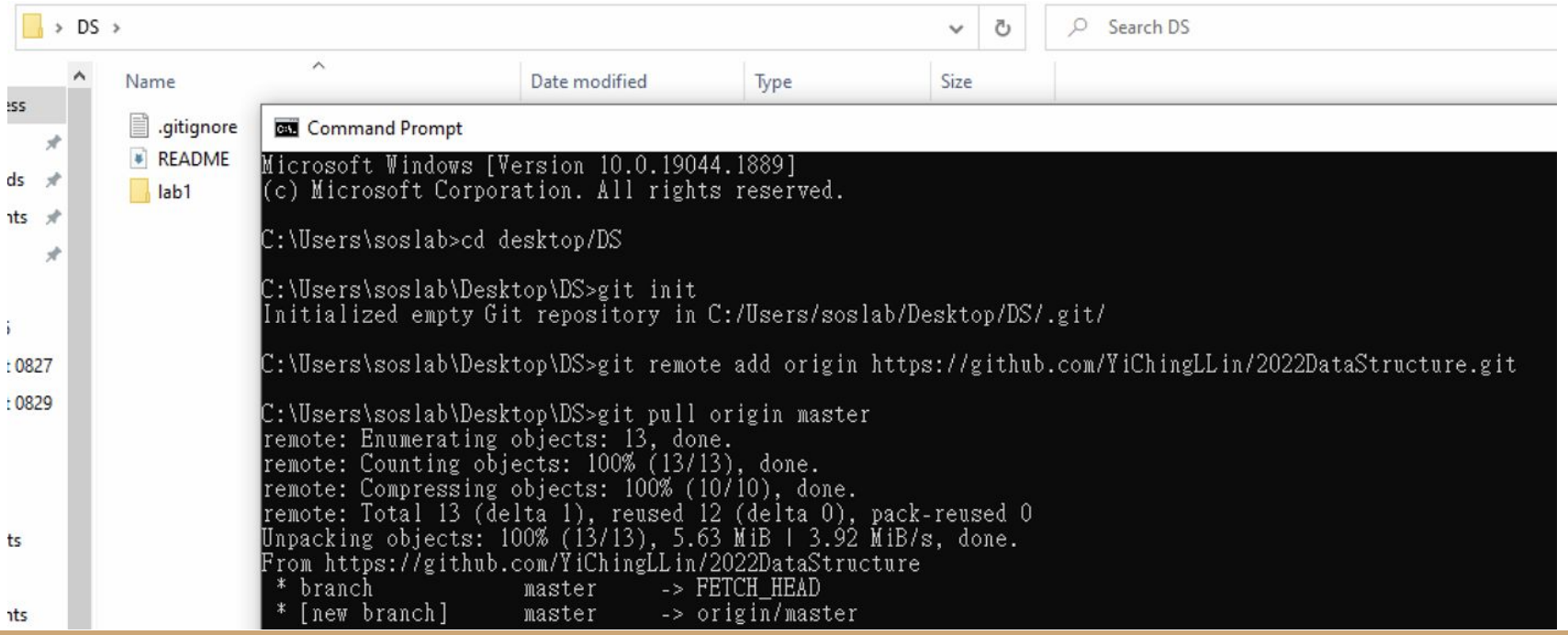
  git remote add origin https://github.com/YiChingLLin/2022DataStructure.git

  git pull origin master

Download Homework

- First time





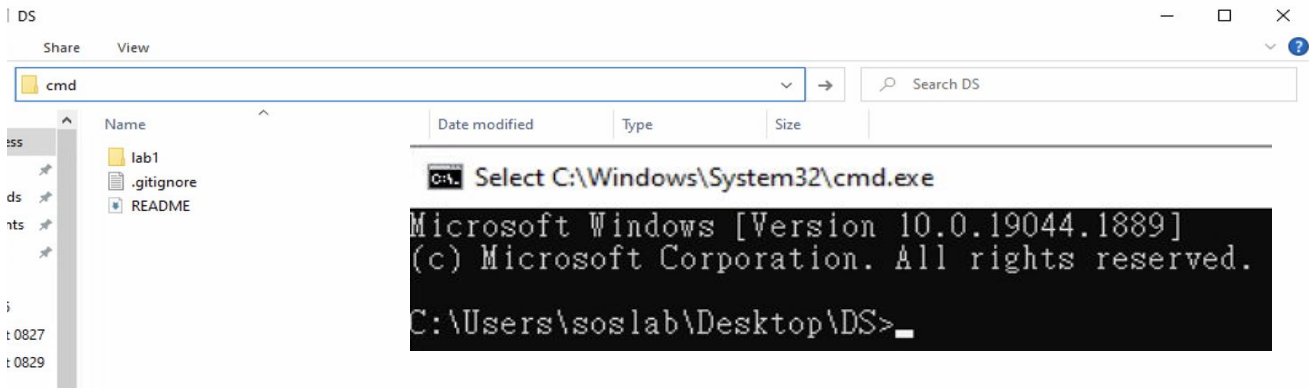
Download Homework

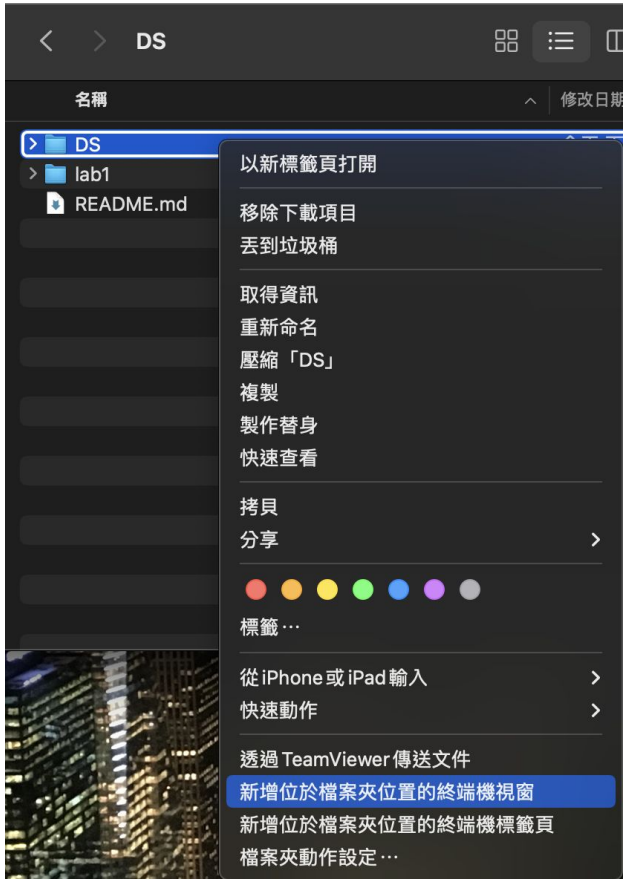
- Next time
  In your computer's folder, use the command below :

  cd (your folder path)

  git pull origin master

  then you can refresh the data weekly
  to download HW from GitHub.





HW1

Homework 1 (Due on 9/22)

- BMI Calculator:
  - BMI = (Weight in Kilograms / (Height in Meters x Height in Meters))
- Enter Height and Weight, return BMI and
  - "You are not in shape. Actually, you are not even close." if BMI >= 30
  - "To be honest, you are not in shape." if 30 > BMI >= 26
  - "You are in shape" if 26 > BMI >= 20
  - "You are under shape" if 20 > BMI
- Use Eclipse to write/execute/debug your java code
- Upload your code using WM5 (**no** direct copy accepted)
- TAs will show you "clear" hints to do so on Monday's lab (Sep. 19)

Input/ Output Example

```
Please enter your weight(kg) and height(cm): 70 150
You are not in shape. Actually, you are not even close. BMI: 31.111111111111
```

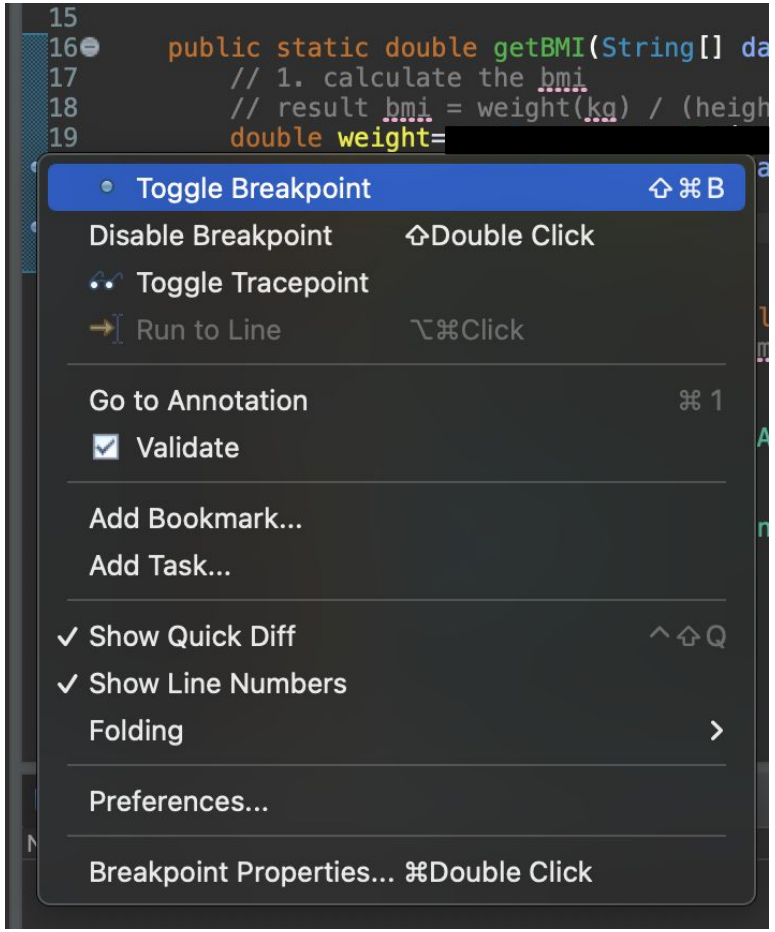
```
Please enter your weight(kg) and height(cm): 60 150
To be honest, you are not in shape. BMI: 26.666666666666668
```

```
Please enter your weight(kg) and height(cm): 60 160
You are in shape. BMI: 23.437499999999996
```

```
Please enter your weight(kg) and height(cm): 50 160
You are under shape. BMI: 19.531249999999996
```

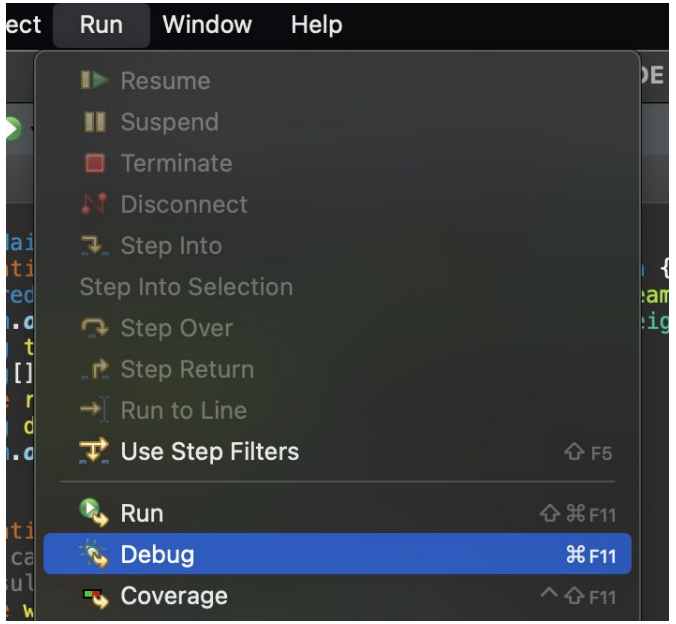
Debug mode

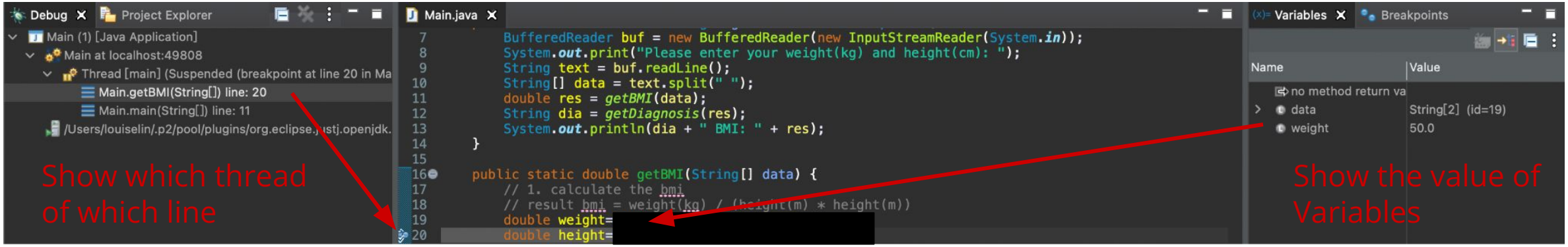
- Setting the Toggle Breakpoint
  1. Right-click the line after you want to trace
  2. Click the Toggle Breakpoint



Debug mode

- Run on Debug mode

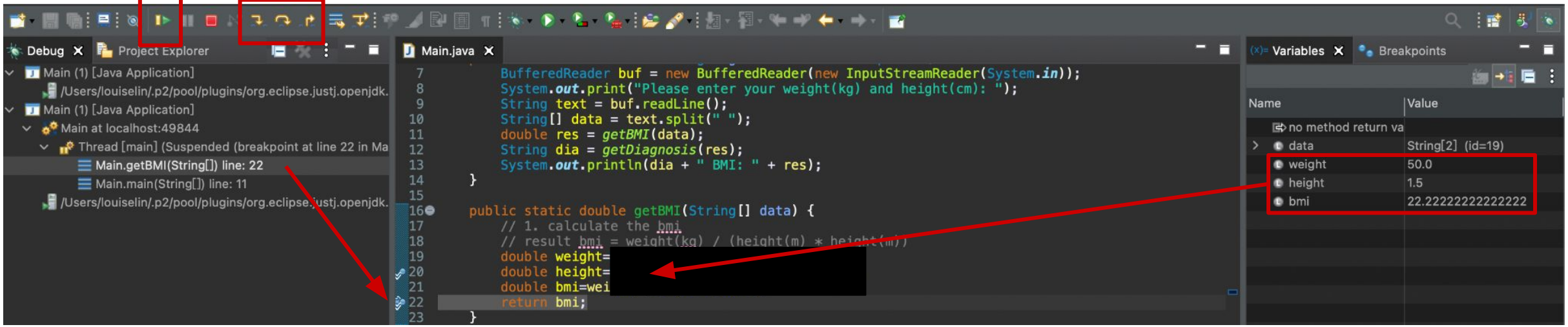




Debug mode

Click here to keep running to the next breakpoint

Step Step Step
Into Over Return



More detail

https://help.eclipse.org/latest/index.jsp?topic=%2Forg.eclipse.jdt.doc.user%2FgettingStarted%2Fqs-13.htm

Hand-in HW1

- Via WM5: Already in this course.

- Via Email: Waiting for adding course by teacher.

  Send Email to TA 蔣其叡111356024@nccu.edu.tw

  Deadline 9/26(Mon) 23:59

- Send Group list via Google form!