

1. Make sure you have the latest Java environment

If you don't have, you can use the link below to download (Linux, mac, windows)

Download link: <https://www.oracle.com/java/technologies/downloads/>

You can use **a**, **b** to test your environment is working or not (In cmd)

a. java -version

```
Command Prompt
Microsoft Windows [Version 10.0.26100.3775]
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C:\Users\User>java -version
java version "24.0.1" 2025-04-15
Java(TM) SE Runtime Environment (build 24.0.1+9-30)
Java HotSpot(TM) 64-Bit Server VM (build 24.0.1+9-30, mixed mode, sharing)

C:\Users\User>
```

b. javac -version

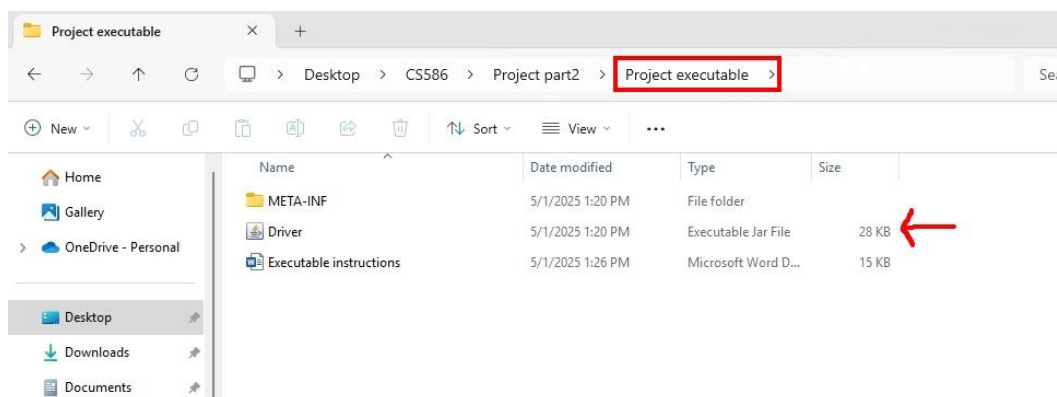
```
C:\Users\User>javac -version
javac 24.0.1

C:\Users\User>
```

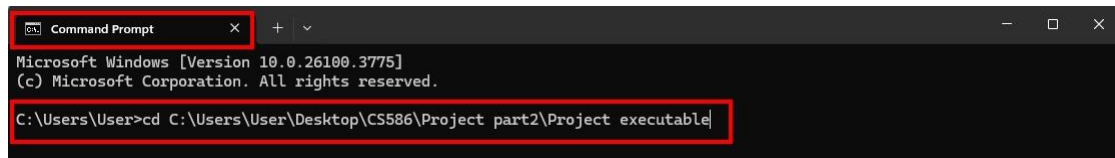
2. Run the code

After you make sure you have the latest Java environment, you can follow the step I provided here to run the code in cmd.

a. Finding the Driver.jar file



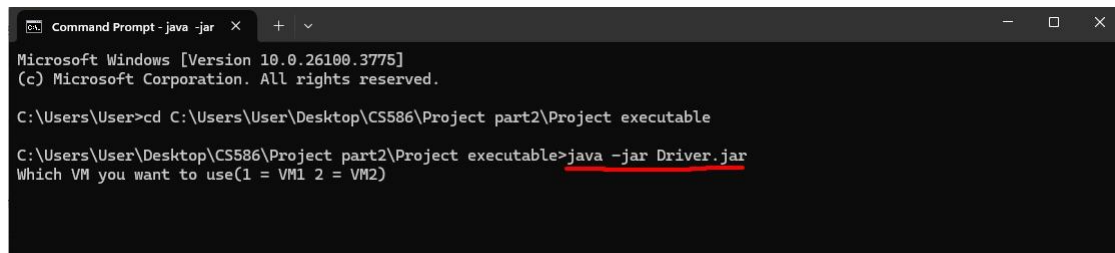
- b. Open the cmd and change to the location that contain **Driver.jar** file



```
Microsoft Windows [Version 10.0.26100.3775]
(c) Microsoft Corporation. All rights reserved.

C:\Users\User>cd C:\Users\User\Desktop\CS586\Project part2\Project executable
```

- c. Use **java -jar Driver.jar** to run my project



```
Microsoft Windows [Version 10.0.26100.3775]
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C:\Users\User>cd C:\Users\User\Desktop\CS586\Project part2\Project executable

C:\Users\User\Desktop\CS586\Project part2\Project executable>java -jar Driver.jar
Which VM you want to use(1 = VM1 2 = VM2)
```

- d. Now you can test it.

3. Implementation reminder

- a. If you want to change the VM, you need to run the code again (start from **java -jar Driver.jar**)
- b. The number show before the state is state ID (EX: 0 start, 1 no cups)