# LAB. DAY: 1

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**YEAR**: 3RD          **SEM**: 5TH          **ROLL**: 37

**PAPER NAME**: OBJECT-ORIENTED PROGRAMMING LAB.
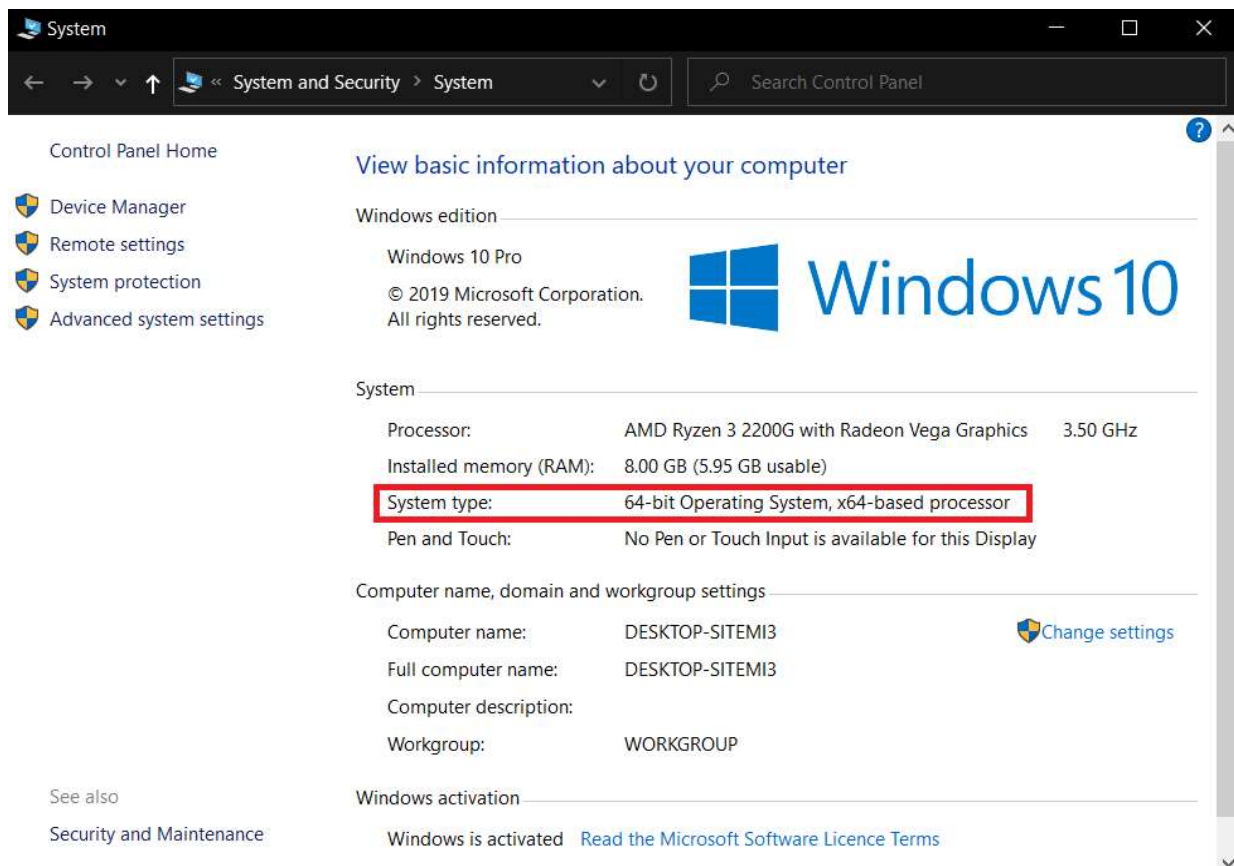
**PAPER CODE**: PCC-CS593

**UNIVERSITY ROLL**: 17600118047

**TITLE**: Write the installation process and environment settings steps for JAVA.

**PROCESS**:

1. **Identifying System Type:** The JDK software has two different versions: a 32-bit Windows version and a 64-bit Windows version. Before we download the software, we will need to know which version of Windows we are using. To know that we have to go:

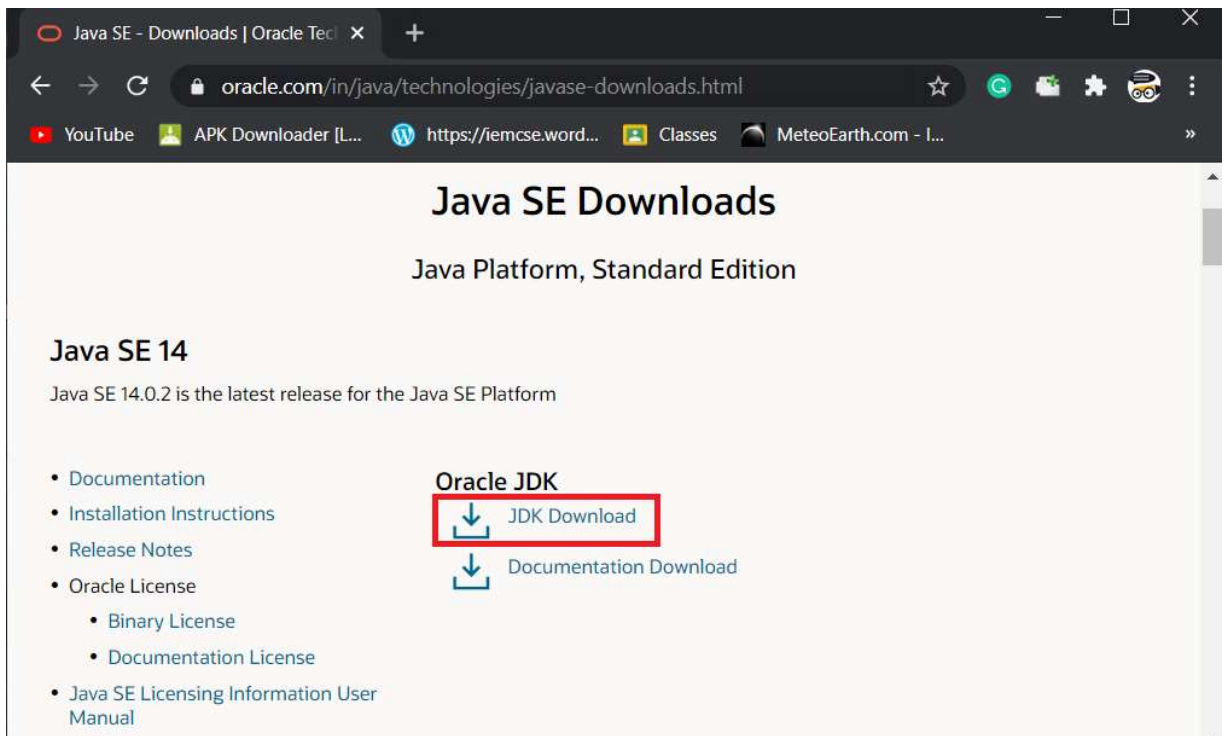**This PC > Properties > System Type**



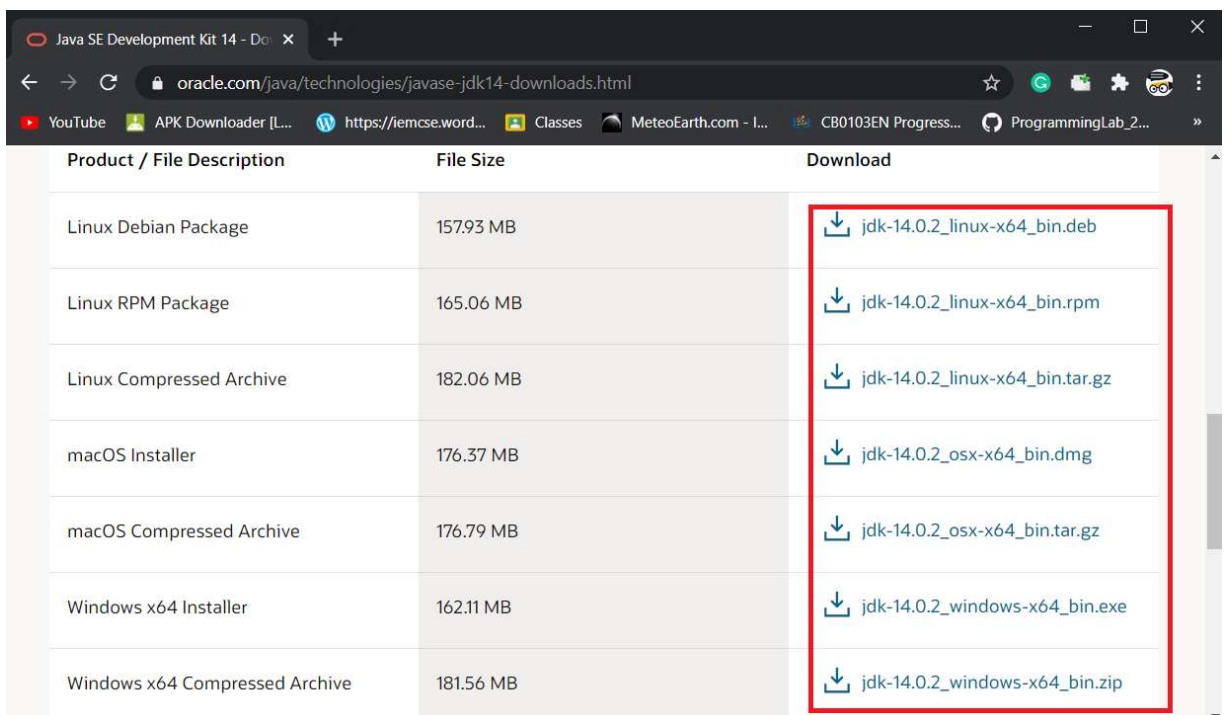Here we can see the system type is either 32bit or 64bit.

2. **Downloading of JAVA JDK:** After knowing the system type we have to download the respective version of Java JDK. To download the Java Development Kit (JDK), launch your web browser (e.g. Internet Explorer) and go to this address:

https://www.oracle.com/in/java/technologies/javase-downloads.html

This page shows many download options. The top of the page shows the most common JDK download options.

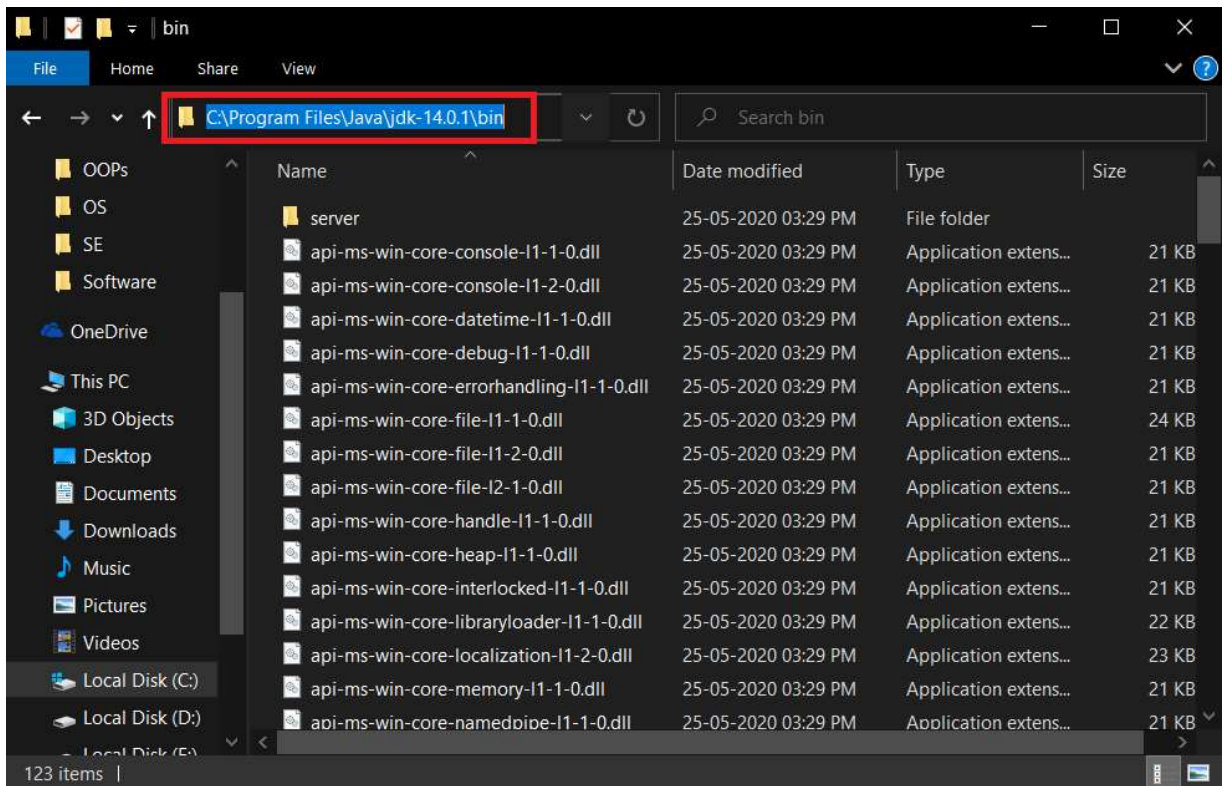The current version of JAVA JDK is "Java SE 14". Now we need to click the JDK Download version Button.



After that, we have to download the package for the required operating system. Then the download will start.

3. **Installation of JDK:** After downloading we have to install JDK with default settings.
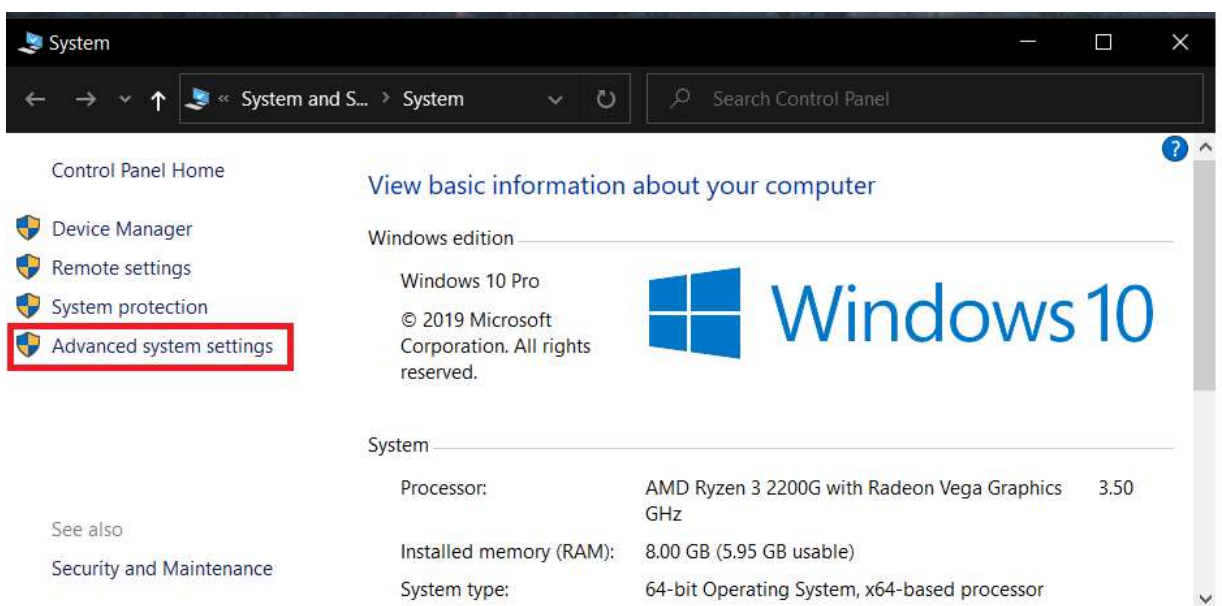
4. **Environment Settings:** After a successful installation, we have to set the environment path. To do that we have to go to this path:
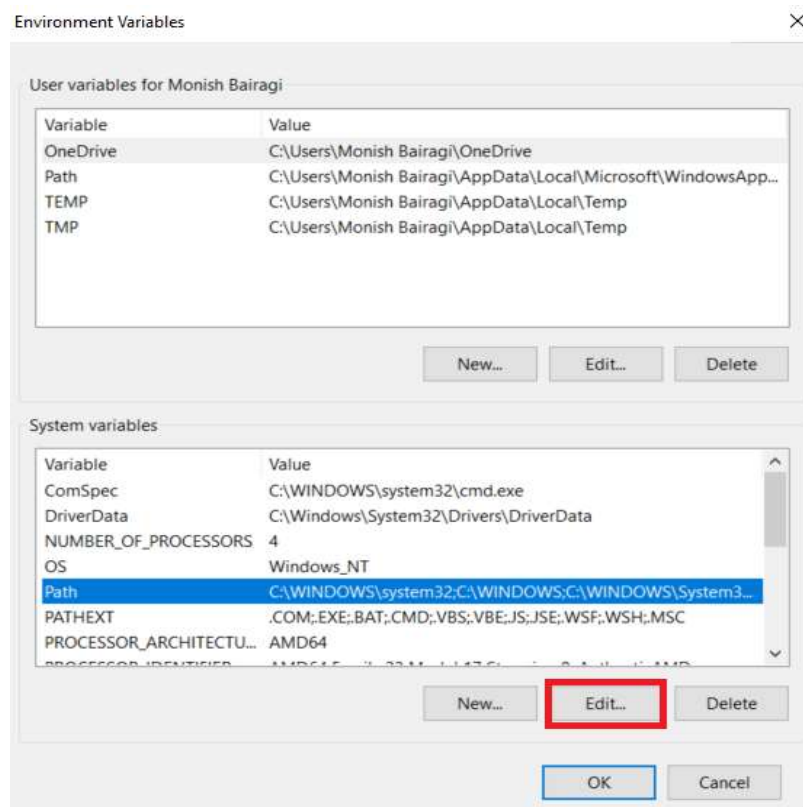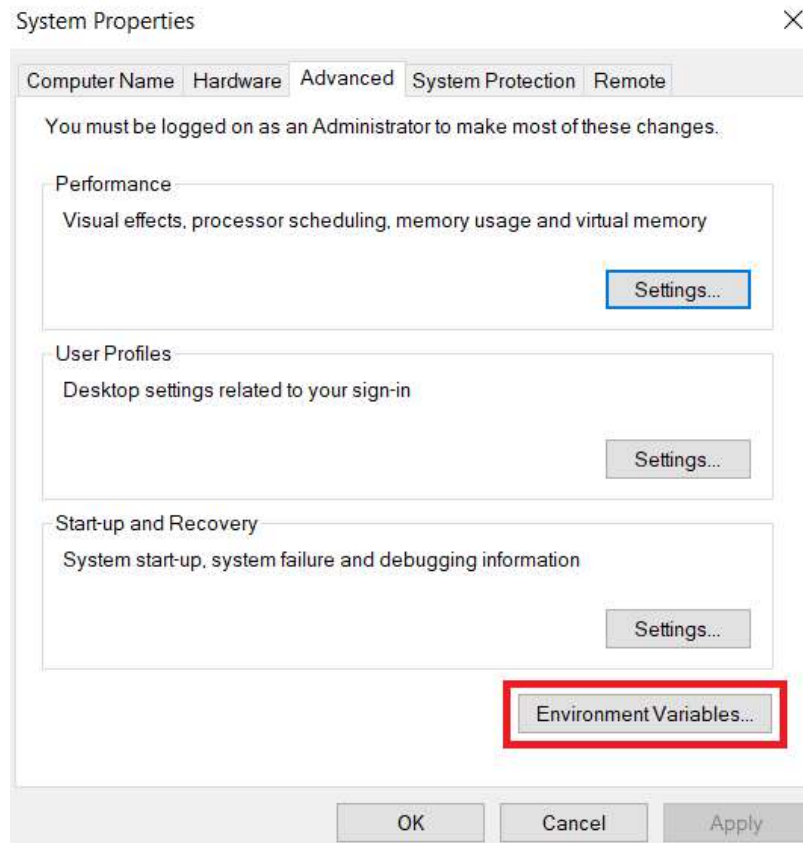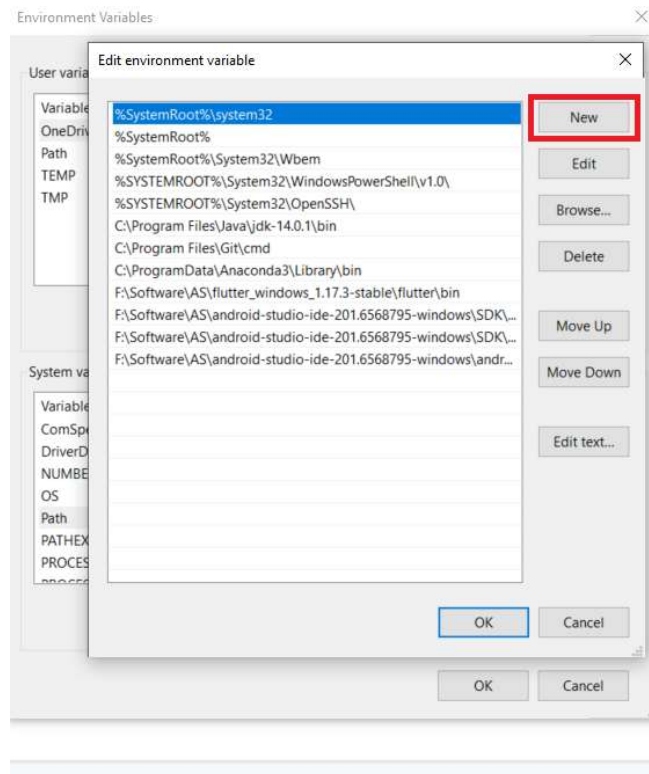
**C:\Program Files\Java\jdk-14.0.1\bin**



And then copy the path.
Now we have to go to:

**This PC > Properties > Advanced System Settings > Environment Variables**
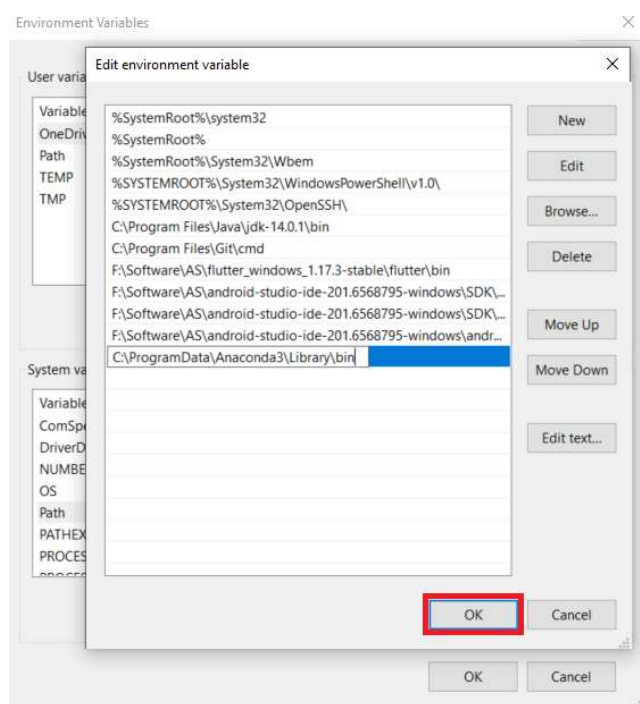
## System Properties

Computer Name | Hardware | **Advanced** | System Protection | Remote

You must be logged on as an Administrator to make most of these changes.

**Performance**

Visual effects, processor scheduling, memory usage and virtual memory

[ Settings... ]

**User Profiles**

Desktop settings related to your sign-in

[ Settings... ]

**Start-up and Recovery**

System start-up, system failure and debugging information

[ Settings... ]

[ Environment Variables... ]

[ OK ] [ Cancel ] [ Apply ]

## Environment Variables

**User variables for Monish Bairagi**

| Variable | Value |
|---|---|
| OneDrive | C:\Users\Monish Bairagi\OneDrive |
| Path | C:\Users\Monish Bairagi\AppData\Local\Microsoft\WindowsApp... |
| TEMP | C:\Users\Monish Bairagi\AppData\Local\Temp |
| TMP | C:\Users\Monish Bairagi\AppData\Local\Temp |

[ New... ] [ Edit... ] [ Delete ]

**System variables**

| Variable | Value |
|---|---|
| ComSpec | C:\WINDOWS\system32\cmd.exe |
| DriverData | C:\Windows\System32\Drivers\DriverData |
| NUMBER_OF_PROCESSORS | 4 |
| OS | Windows_NT |
| Path | C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System3... |
| PATHEXT | .COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC |
| PROCESSOR_ARCHITECTU... | AMD64 |
| PROCESSOR_IDENTIFIER | AMD64 Family 23 Model 17 Stepping 0, AuthenticAMD... |

[ New... ] [ Edit... ] [ Delete ]

[ OK ] [ Cancel ]

Now we have to select the "Path" inside "System Variable" section and click the "Edit" button.
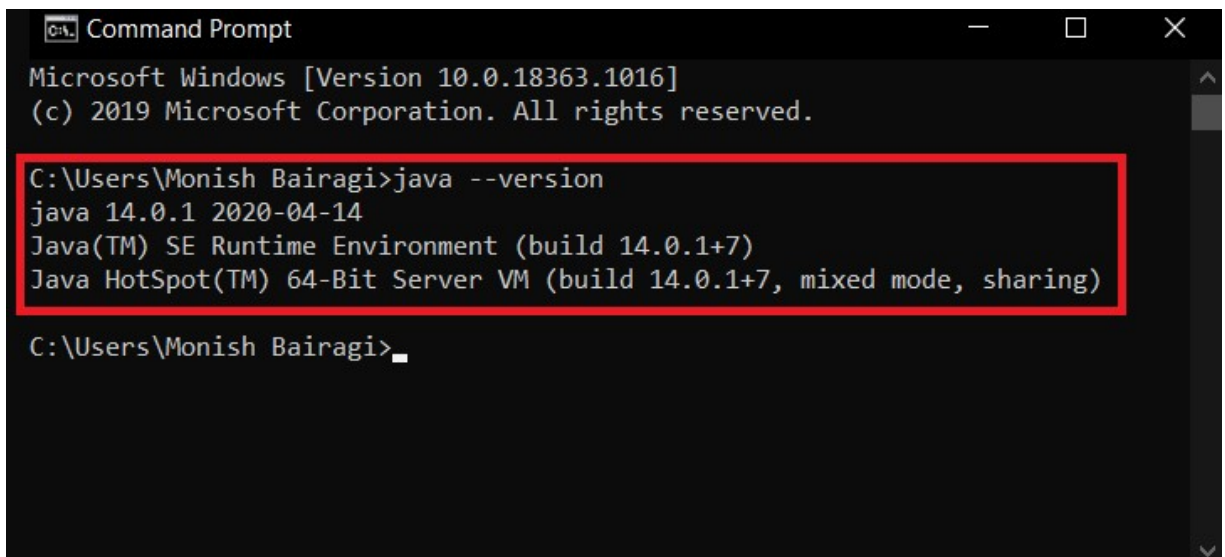
Now we have to click the "New" button and paste the previously copied path.



Then click "OK" again "OK" and then you are done.

5. **Now Check:** To make sure that we have installed JDK successfully or not, go to CMD and type "java --version".



If it will show some information regarding the installed JDK version then it confirms that we have successfully set the system variable path. Now our system is ready for JAVA.