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JAVA

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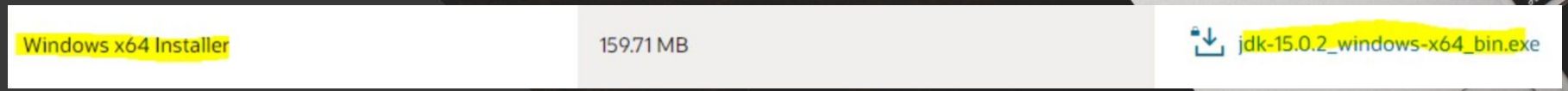
What is Java JDK?

1. Java Development Kit (JDK)
    a. It is a cross-platform software development environment that
        i. offers a collection of tools and libraries necessary for
            1. developing Java-based software applications.
2. **JDK=JRE+Development Tools**

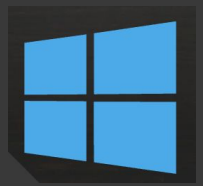
How to download Java JDK?

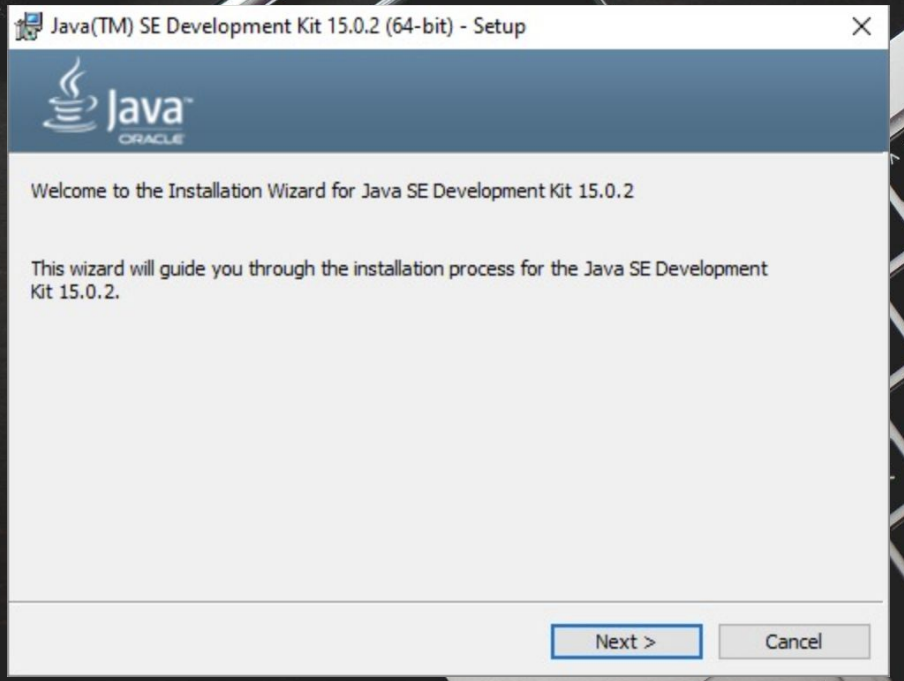
1. Go to URL:
   a. https://www.oracle.com/in/java/technologies/downloads/archive/
   b. Example
      i. Jdk-15.0.2_windows-x64_bin.exe
2. WIN -
   a. .exe file



How to install Java JDK?

1. Once the .exe file is downloaded
2. Open the file and
   a. Setup wizard will come
   b. Install with default settings





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How to verify that Java JDK is installed or not?

1. Open Command Prompt
2. To verify that Java JDK setup
3. Command
   a. **java -version**

```
Select Command Prompt
Microsoft Windows [Version 10.0.19045.2486]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Verma>java -version
java version "15.0.2" 2021-01-19
Java(TM) SE Runtime Environment (build 15.0.2+7-27)
Java HotSpot(TM) 64-Bit Server VM (build 15.0.2+7-27, mixed mode, sharing)

C:\Users\Verma>
```

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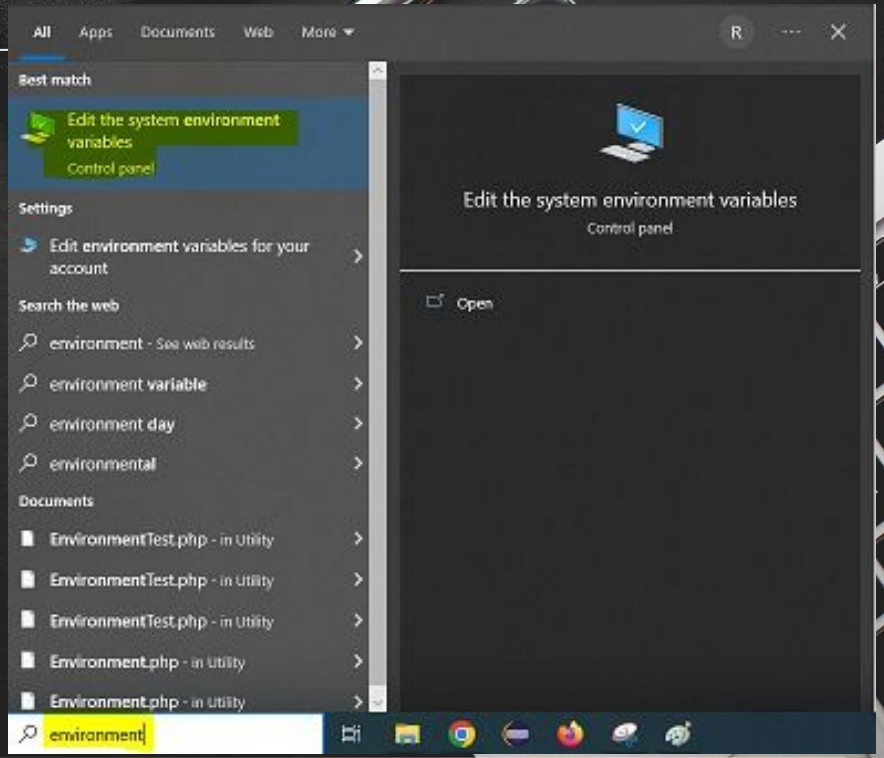
Setup Environment Variable

1. Search for
   a. Environment Variables



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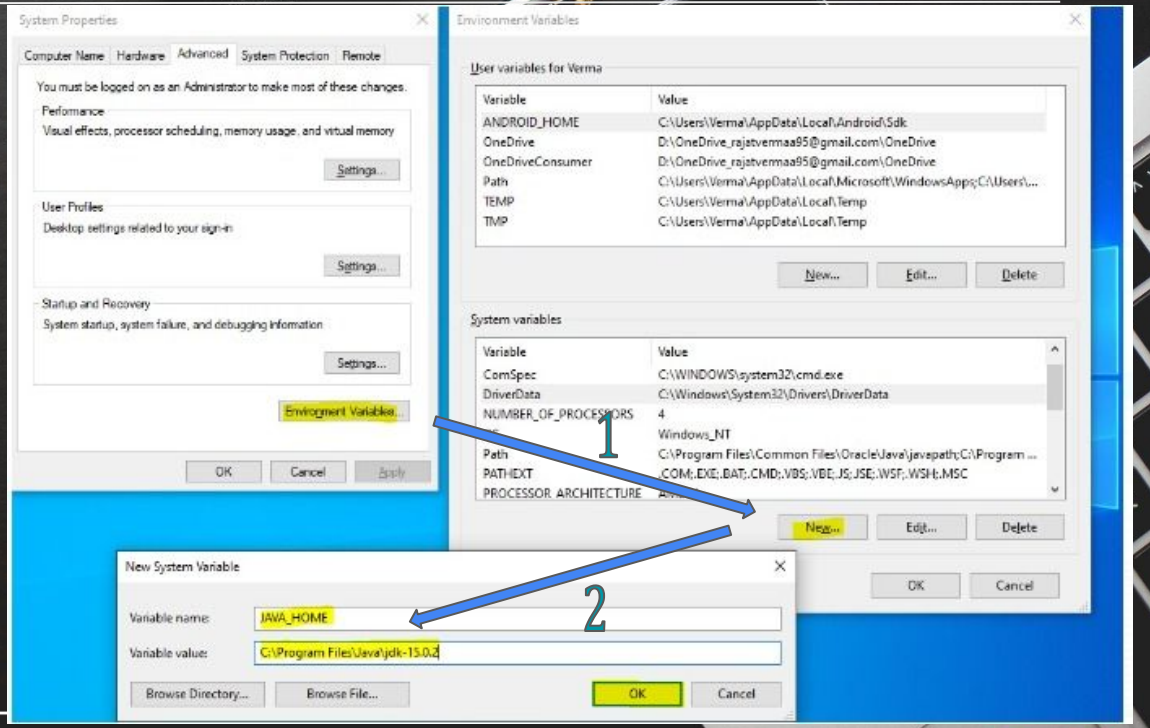
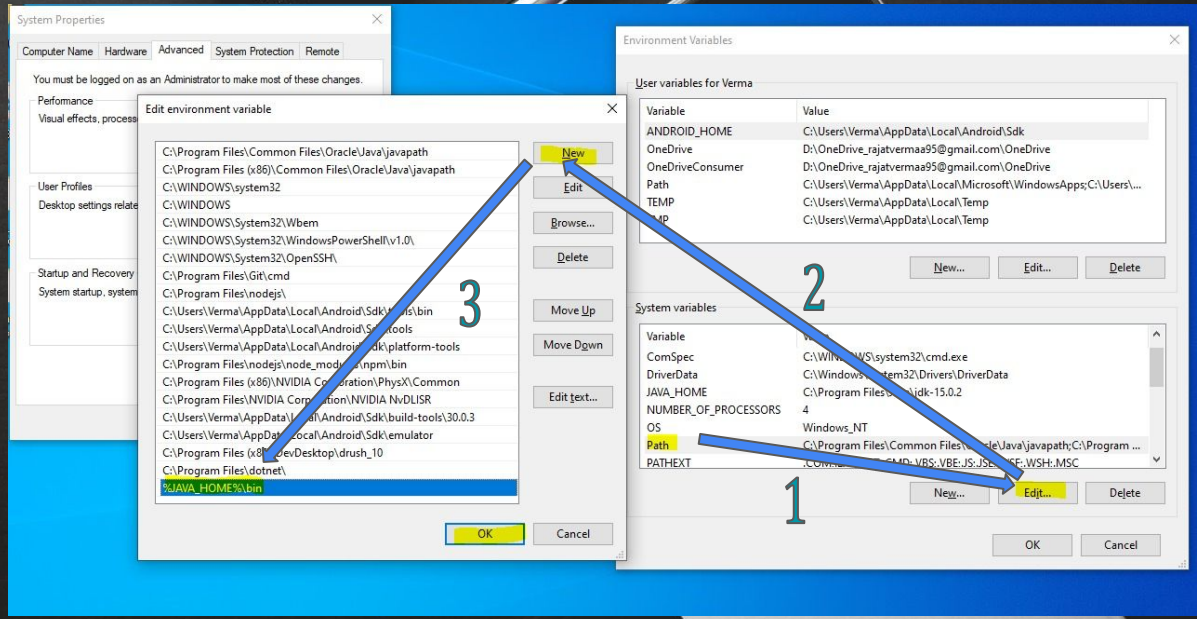
Setup Environment Variable ……. (2)

1. Environment Variables
2. Under System variables
   a. New
3. Variable
   a. Name: JAVA_HOME
   b. Value: Install Path



Setup Environment Variable ……. (3)

1. Under System variables
   a. Edit Path variable
2. **New**
   a. %JAVA_HOME%\bin



Setup Environment Variable ……. (4)

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3. Command
   a. **java -version**

```
Select Command Prompt
Microsoft Windows [Version 10.0.19045.2486]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Verma>java -version
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C:\Users\Verma>
```

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