How to download and install Java?

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| 1. Open google search engine and search for jdk downloads      1. Click the first link then you can see the below page      1. Scroll down to the below view      1. Click the .exe file link(second link to start download for windows os)      1. After download install the jdk |

Where we can find tools like java,javac,Javadoc, jar etc..?

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| In bin folder  Ex: c:\program files\java\jdk17\bin |

**Note:** in the latest versions the path setting will be done automatically so no need to set the path

Why we set a path?

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| To access tools(.exe files) outside the bin folder you have to set the path |

What is path?

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| 1. A path is an environment variable |

There are 2 types of environment variables

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| 1. User variables 2. System variables |

How to see the environment variables in a system?

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| 1. Search for environment variables in your computer 2. Click on windows button and search for edit the system environment variables which opens a window with name system properties.      1. System properties window      1. Click on Environment variables button then a new window will be opened it contains user-variables and system-variables. |

What are tools?

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| 1. When we install java (jdk) software in our computer. Many number of tools will be installed like javac, java, javap, javadoc Etc.. in “C:\Program Files\Java\jdk-21\bin” folder. 2. We can use these tools within the bin folder only if you don’t set the path for those tools. |

Why we set path?

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| If you want to use the tools outside the bin folder you have to set the path. |

How to set the path for those tools?

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| 1. Copy the path of the bin folder i.e “C:\Program Files\Java\jdk-21\bin” 2. If environment variable with name path is existed already then select it and click on edit button.(see the below image)      1. Click on New button and paste the path (see the below image)      1. Ok🡪ok🡪ok🡪 2. Path setting is done   **IF PATH VARIABLE IS NOT EXISTED ALREADY THEN FOLLOW THESE STEPS**   1. Directly click on new button,(see the below image).      1. Small window will be opened with two text boxes, here variable name will be path and value will be “C:\Program Files\Java\jdk-21\bin”.      1. Ok🡪 ok🡪ok 2. Done new path setting is set in your computer. |