**Java path setting**

**Without setting the java path can we compile and run the java programs?**

Yes.

**Then how?**

By working from JDK bin folder. We can develop the java programs in any folder but for compilation and execution of java program we have to move the .java file to bin folder, As it consists of all java commands. Now we can compile the program by “javac” command and run the program by “java” command.

**Why we need set a java path?**

If it is single program we can run it from bin folder but if we want to compile and execute a java program in other than bin folder, without setting java path it is not possible. Because java and javac commands are available in JDK/bin folder. If we set java path then all the commands which are available in the bin folder are recognized by operating system at the time of system booting. So u can compile and execute program from any location.

**In how many ways we can set the path in windows OS?**

There are two ways. By setting a

**i. Temporary path:**

* + - Open command prompt.
    - Copy the path of JDK bin directory.
    - Write in a command prompt like below

Set path=copied path;

Ex: set path= D:\oracle\java\jdk-13\bin hit enter.

\*\*this path is up to that command prompt only\*\*

**ii. Permanent path.**

* Go to file explorer.
* Right click on “this pc”.
* Go to properties
* Go to advanced system settings
* Click on environment variables
* **Click on the “new” tab of user variables**
* **Write the variable name as a path**
* **Copy the path of bin folder.**
* **Paste path of bin folder in the variable value**
* **Click on ok button**

**In how many ways we can compile and run java programs?**

There are three ways. Those are

* + By Working from bin folder directly
  + By Setting a temporary path
  + By Setting a permanent path.