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Compile & Run Java Program

=> Steps to prepare Java First Program :-

1. Download & Install Java Softwares

(JDK, Editor, IDE's)

2. Create Java First Program

2.1 Java Naming Conventions

2.2 Structure of Java Program

2.3 Java Program Explanation

3. Compile & Run Java Program

3. Compile & Run Java Program :-

3.1 Open CMD

3.2 Type command javac and press enter (this step is to check whether java path is set or not) - if it says that "'javac' is not recognized as an internal or

external command, operable program or batch file."
that means java path is not set

3.3 If path is not set, then we have to set path
and to set java path we have 2 options :-

-> Temporary path set

-> Permanent path set

3.4 Open the directory in CMD in which you
have saved the java program

3.5 Compile the program (javac FileName.java)

3.6 Run the program (java MainClassName)

Cases :-

1. If file name and class name is not same

-> .class file will be created on the name of
class that we have created in java file

-> Number of .class files that will be created depends on the number of classes that we have created in java file

-> If the class is public then we have to save the file name as that class name only, but if there is no public class, then we can save the file name by any name

-> We cannot create more than one public class in a single java file

2. main() method cases :-

-> public static void main(String[] args) - preferred way

-> static public void main(String[] args)

-> public static void main(String[] args)

-> public static void main(String args[])

-> public static void main(String xyz[])

-> synchronized final public static void
main(String[] args)

-> public static void main(String... args)

-> public void static main(String[] args) -
Incorrect because return type and method name
should be in sequence or syntax

Interview Questions :-

=> How to set path in java

=> What is difference between temporary path set
and permanent path set

=> What happens in java compilation phase

=> Different ways to declare main() method

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