

Eclipse IDE Installation (Continuation)

- Double Click the Application file to launch Eclipse IDE and specify Workspace path
- Pin the Application file to the Task Bar

Java Project Creation & Execution

The below are the steps for creating a Java Project in Eclipse IDE:

- Right click in the 'Project Explorer' and select 'New > Project > Java Project'
- Provide 'Project Name' and click on 'Finish' button
- Right click on the 'src' folder and select 'New > Class'
- Provide 'Class Name', select the checkbox for main method and click on 'Finish' button
- Write a sample Java statement - `System.out.println("Hello World!");`
- Right click on the .java file and select 'Run As > Java Application' to execute the Java program

Understanding Java Programs

- In Java programs, we have to enclose everything inside a Class.
 - Syntax: `public class ClassName { }`
 - This *class* term is used as syntax to create/define a Class in Java
- In Java programs, execution starts from the main method
 - Syntax of main() method - `public static void main(String args[]){ }`
- All the Java statements in Java should end with ';' symbol
 - Example for a Java Statement is nothing but print statement - `System.out.println("Hello World");`
- All the Java statements should be written inside the methods
 - We generally write code which is nothing but a set of statements inside the methods
- Keywords like public, static, void and String args[] will be explained later

Compiler Errors

Java Compiler Errors will be displayed when we make syntax mistakes in the Java Code:

- Example: All the Java statements in Java should end with ';' symbol
 - Remove the ; from the end of Java Statement
 - Example: Java is case sensitive
 - Replace 'S' with 's' in the statement
 - Example: Remove any of the closing brace
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