

Future TechFactory

Java Programming Language Fundamentals

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Getting Started with Java Programming

01

Installing JDK

02

Setting up
IntelliJ IDEA

03

Writing the First
Java Program



Installing the Development Environment - IntelliJ IDEA

What is JDK

JDK in Java is an abbreviation for Java Development Kit. It is a bundle of software development tools and supporting libraries combined with the Java Runtime Environment (JRE) and Java Virtual Machine (JVM).

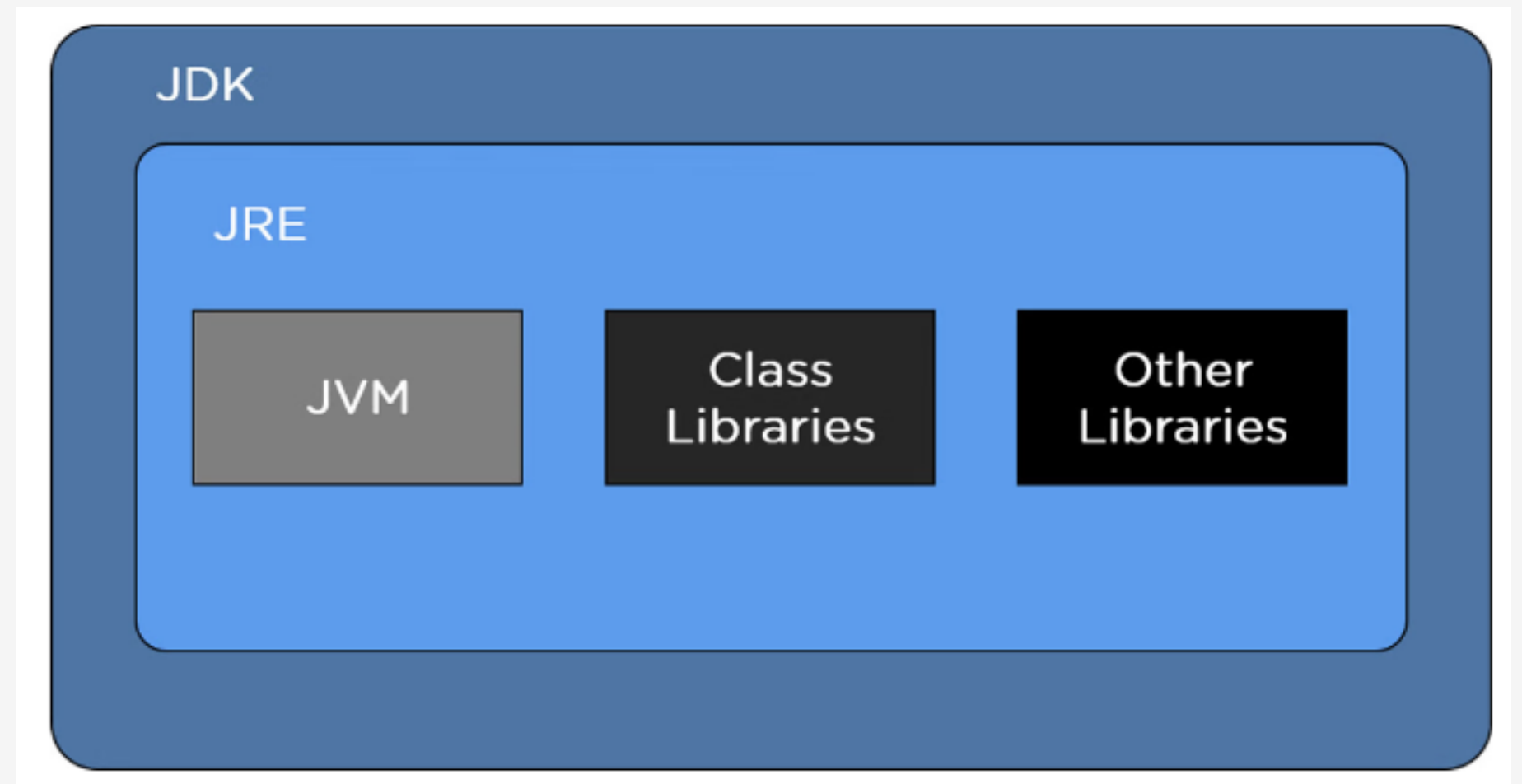
What is JRE

Java Runtime Environment (JRE) is a software package that Java programs require in order to run successfully. The JRE consists of the Java Virtual Machine (JVM), which is responsible for the interpretation of the Java bytecode and the execution of Java programs.

What is JVM

JVM(Java Virtual Machine) acts as a run-time engine to run Java applications. JVM is the one that actually calls the main method present in a Java code. JVM is a part of JRE(Java Runtime Environment).

Understanding JDK, JRE, and JVM

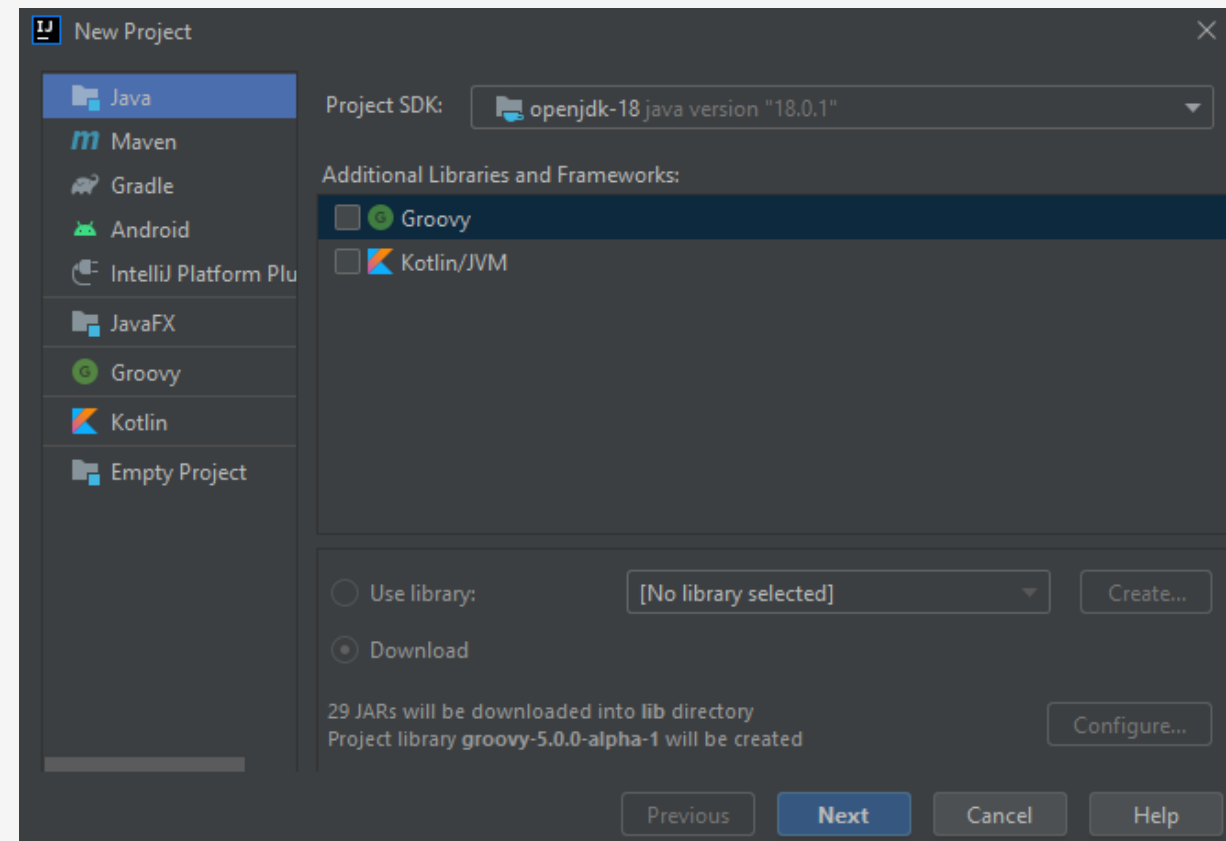


Writing the First Program: HELLO WORLD

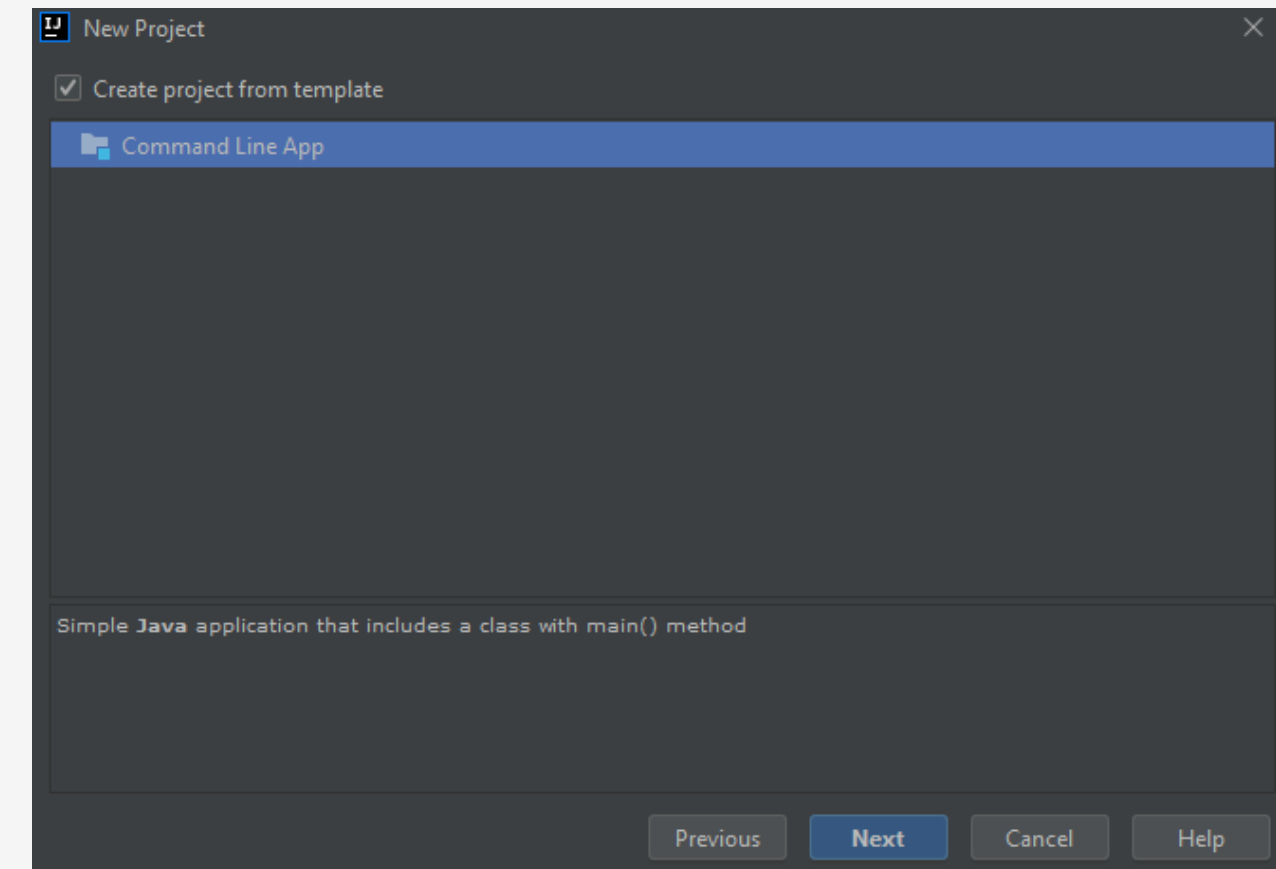
```
public class Main {  
    public static void main(String[] args) {  
        System.out.println("Hello World!");  
    }  
}
```


Creating a New Project

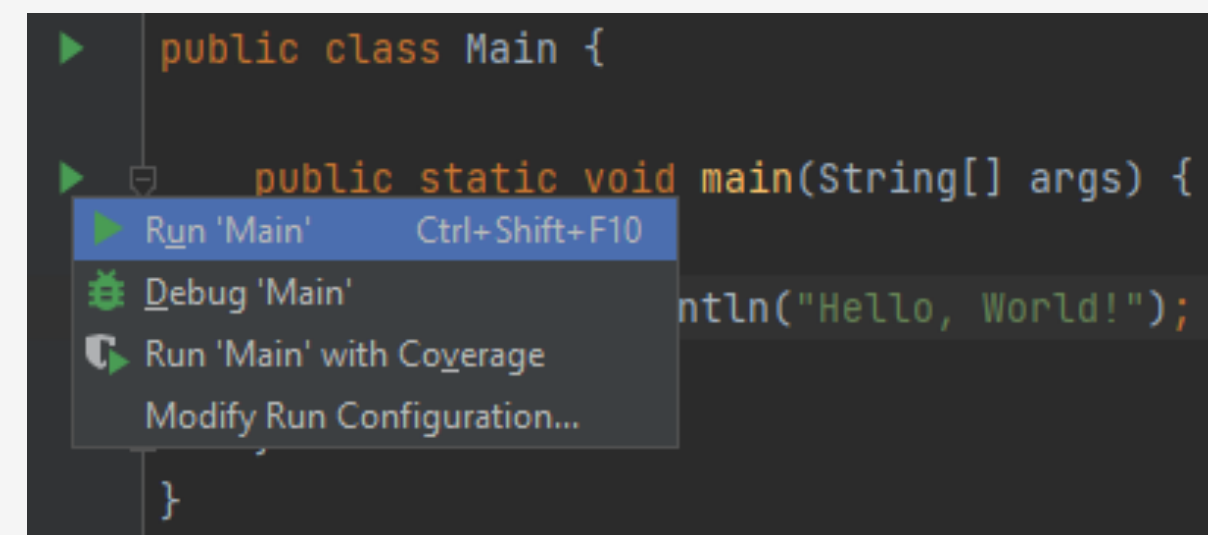
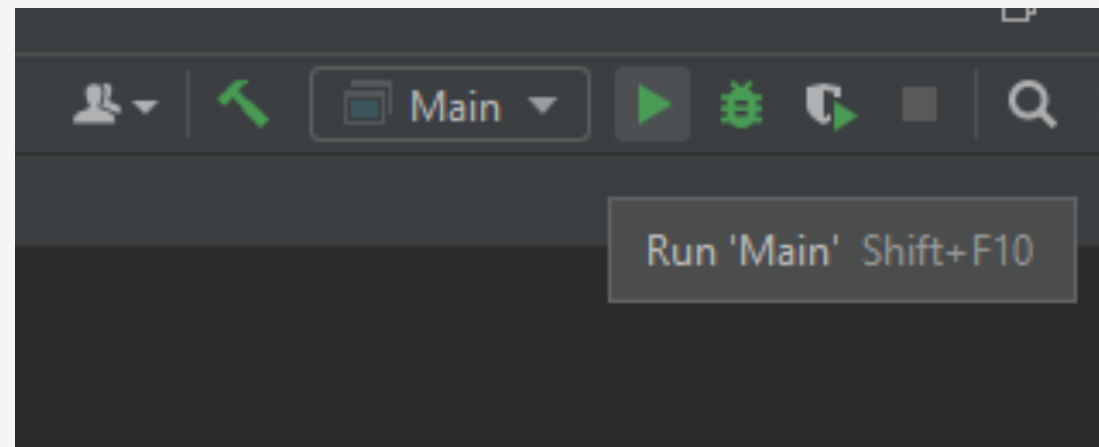
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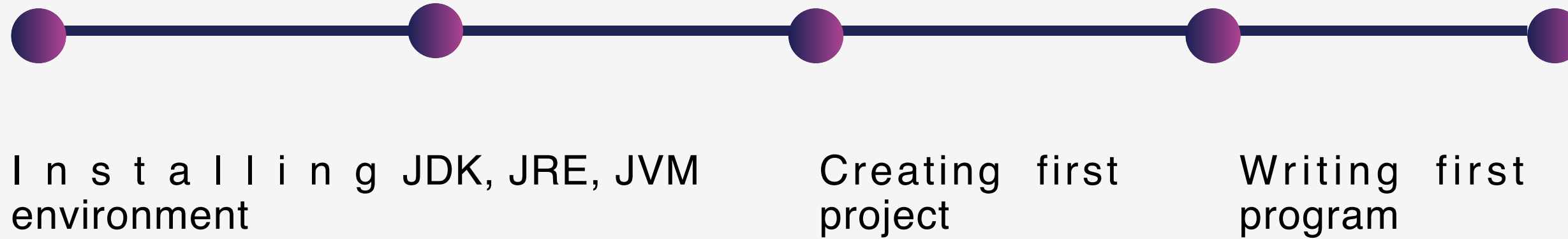


Running the Program



Shift + F10

Conclusion



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Thank you!