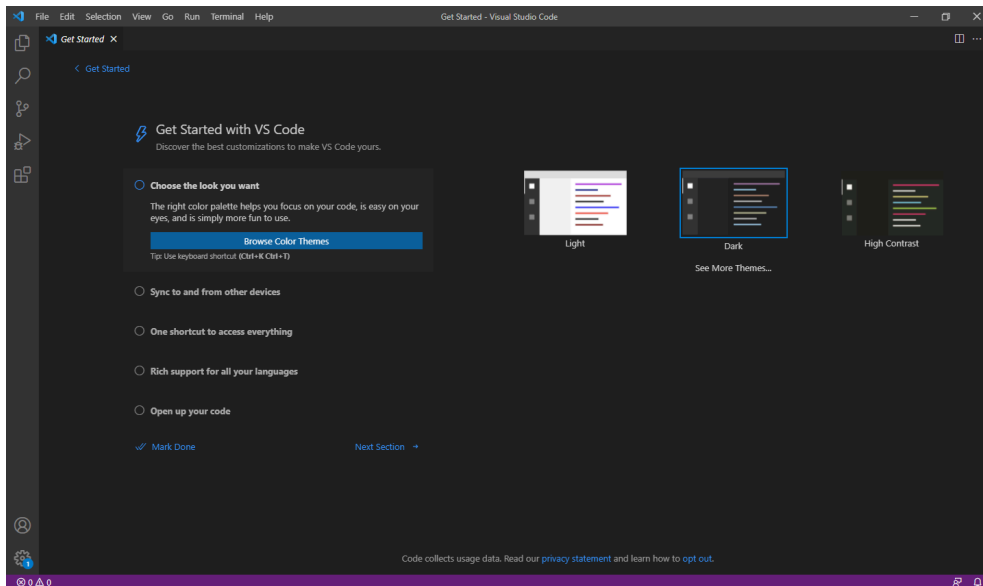
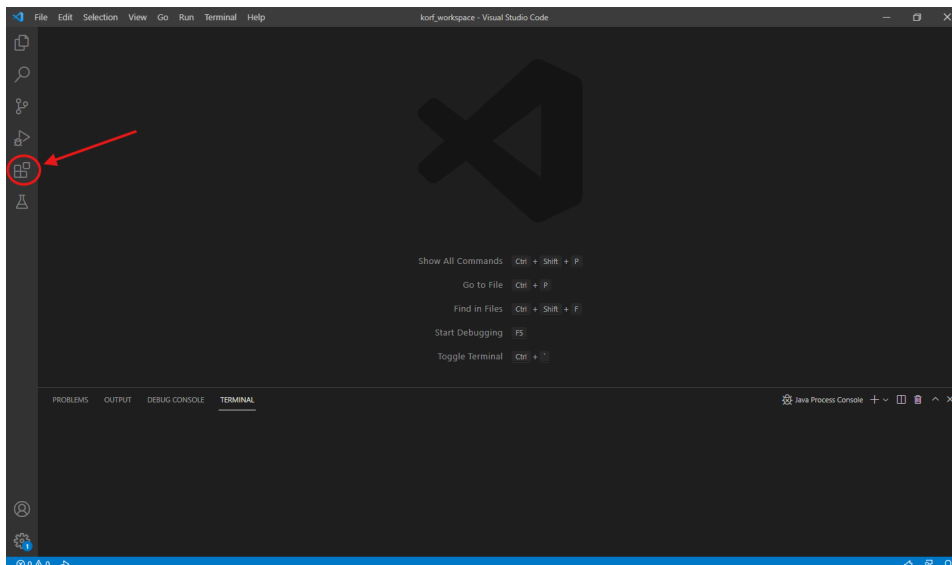


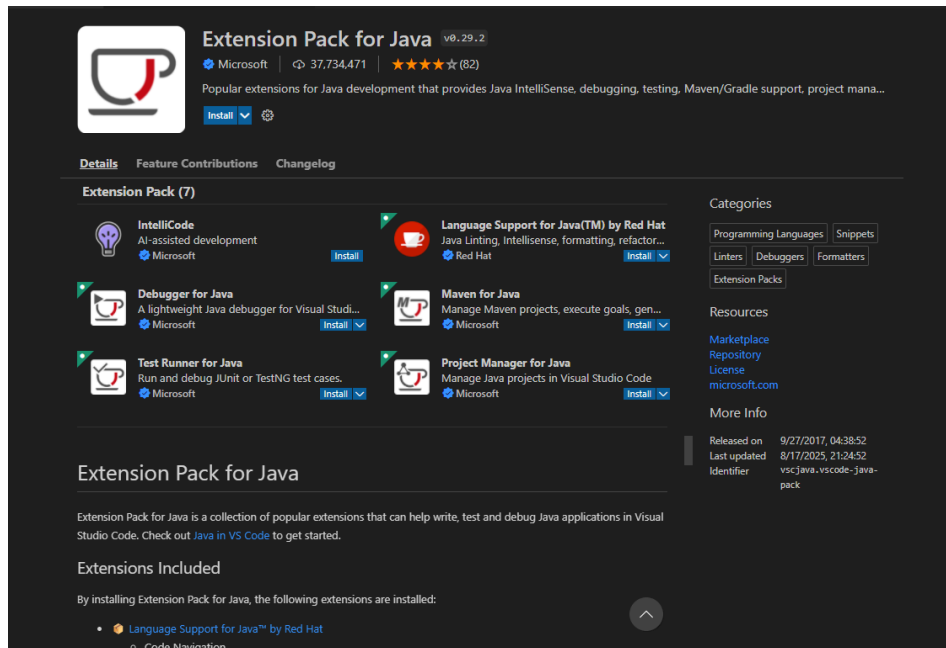
Getting Started with Java in Visual Studio Code

1. Open Visual Studio Code (Not Visual Studio)



2. Open VS Code and install the "Extension Pack for Java" from the Extensions marketplace





Setting Up Your First Java Project

Step 2: Create a New Workspace

1. Open File Explorer
2. Click ****Documents****
3. Create a new folder on your computer (example: "korf_workspace")

Step 1: Open your workspace in VS Code

1. Open VS Code
2. Click ****File**** → ****Open Folder****
3. Open your new workspace folder
3. Create a new folder on your computer (example: "MyFirstJavaProject")
4. Select this folder to open it in VS Code

Step 2: Create Your Java File

1. In the Explorer panel (left side), right-click in the empty space
2. Select **New File**
3. Name your file with a `.java`` extension (example: ``HelloWorld.java``)
4. **Important:** The filename must match your class name exactly!

Writing Your First Java Program

Basic Java File Structure

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

Key Components Explained

- **public class HelloWorld:** Declares a public class named HelloWorld
- **public static void main:** The entry point where your program starts
- **String[] args:** Command line arguments (you can ignore this for now)
- **System.out.println():** Prints text to the console

Running Your Java Program

Method 1: Using the Run Button

1. Click the **Run** button (triangle icon) that appears above your `main`` method
2. Your program will compile and run automatically
3. Output appears in the Terminal panel at the bottom

Method 2: Using the Terminal

1. Open Terminal in VS Code (**View** → **Terminal**)
2. Type: `javac HelloWorld.java`` (compiles your code)
3. Type: `java HelloWorld`` (runs your program)

Troubleshooting Tips

Program Won't Run?

1. Check that your file is saved (Ctrl + S)
2. Verify the class name matches the filename
3. Make sure you have the Java extensions installed
4. Check the Terminal for error messages

Can't See Output?

1. Look for the Terminal panel at the bottom of VS Code
2. If it's not visible, go to **View** → **Terminal**
3. Make sure you're looking at the correct terminal tab