There are many tools available to you for writing Java code. The simplest tool is a text editor, such as text edit or notepad. There are also more advanced tools, such as Visual Studio Code and Eclipse. I'll show you the basics of using a text editor and Eclipse, but I will be using Visual Studio Code for the rest of the course.

1. Download and install the Visual Studio Code Coding Pack for your operating system.

2. Open Visual Studio Code and create a new file called `HelloWorld.java`.

Hello World!

1. Write a program that prints `Hello World!` to the console.

2. Save the program as `HelloWorld.java` in the `hello_world` folder.

3. Compile and run the program.

Binary Numbers

Convert the following decimal numbers to binary: