**Steps to Compile and Run a Java Program**

1. **Write the Java Code**:  
   Open a text editor (e.g., Notepad) and type your Java code. Ensure that the class name in the code matches the file name you intend to save it as.
2. **Save the Java File**:  
   Save the file with the same name as the public class in your code, followed by the .java extension. For example, if your class is named primitivetypes, save the file as primitivetypes.java.  
   **Note**: Enclose the file name in quotation marks (e.g., "My Program.java"), to avoid any extra default extensions with the file name.
3. **Open Command Prompt**.
4. **Navigate to the File Directory**:  
   Use the cd (change directory) command to navigate to the directory where your Java file is saved. For example, in this case the file is saved in the D:\cmd  folder, type:

1. D:

2. cd D:\JavaPrograms

1. **Compile the Java File**:  
   Once in the correct directory, compile the Java file using the javac command. Type the following command and press Enter:

1. javac primitivetypes.java

**Note**: If there are any syntax errors in your code, the compiler will display error messages. In order to move further review and fix these errors before proceeding.

1. **Run the Compiled Program**:  
   If the compilation is successful (no errors), run the program using the java command. Type the following command and press Enter:

1. java primitivetypes

This will execute your Java program and display the output in the Command Prompt.