

Step 1: Create Project Directory Structure

Open Git Bash / Command Prompt and run:

```
cd ~/Desktop
mkdir RehamanProject
cd RehamanProject
mkdir -p src/main/java
```



Step 2: Create **Main.java**

Inside `src/main/java`, create the file:

```
cd src/main/java
notepad Main.java
```

Paste this code:

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

Save and close the file.



Step 3: Create **pom.xml**

Go back to the project root:

```
cd ../../../../ # Go back to RehamanProject folder
notepad pom.xml
```

Paste this into `pom.xml`:

xml

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```
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
```

```
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
```

```

  <groupId>com.rehaman</groupId>
  <artifactId>simplejavaproject</artifactId>
  <version>1.0</version>
  <packaging>jar</packaging>
```

```

  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-jar-plugin</artifactId>
        <version>3.2.2</version>
        <configuration>
          <archive>
            <manifest>
              <mainClass>Main</mainClass>
            </manifest>
          </archive>
        </configuration>
      </plugin>
    </plugins>
  </build>
</project>
```

Save and close.

Step 4: Compile and Package

Run these commands:

```
mvn clean package
```

If successful, it will generate a `.jar` file here:

```
target/simplejavaproject-1.0.jar
```

```
Administrator@EC2AMAZ-6T5NDVT MINGW64 ~/Desktop/Project/RehamanProject
$ mvn clean package
[INFO] Scanning for projects...
[INFO]
[INFO] < com.rehaman:simplejavaproject >
[INFO] Building simplejavaproject 1.0
[INFO] from pom.xml
[INFO]
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ simplejavaproject ---
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ simplejavaproject ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\Administrator\Desktop\Project\RehamanProject\src\main\resources
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ simplejavaproject ---
[INFO] Recompiling the module because of changed source code.
[WARNING] File encoding has not been set, using platform encoding windows-1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file with javac [debug target 1.8] to target\classes
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ simplejavaproject ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\Administrator\Desktop\Project\RehamanProject\src\test\resources
[INFO]
[INFO] --- compiler:3.13.0:testCompile (default-testCompile) @ simplejavaproject ---
[INFO] No sources to compile
[INFO]
[INFO] --- surefire:3.2.5:test (default-test) @ simplejavaproject ---
[INFO] No tests to run.
[INFO]
[INFO] --- jar:3.2.2:jar (default-jar) @ simplejavaproject ---
[INFO] Building jar: C:\Users\Administrator\Desktop\Project\RehamanProject\target\simplejavaproject-1.0.jar
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 7.990 s
[INFO] Finished at: 2025-04-19T05:15:51Z
[INFO]
Administrator@EC2AMAZ-6T5NDVT MINGW64 ~/Desktop/Project/RehamanProject
$ java -jar target/simplejavaproject-1.0.jar
Hello World
Administrator@EC2AMAZ-6T5NDVT MINGW64 ~/Desktop/Project/RehamanProject
$ |
```

Step 5: Run the Program

Run:

```
java -jar target/simplejavaproject-1.0.jar
```

Output

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Hello World