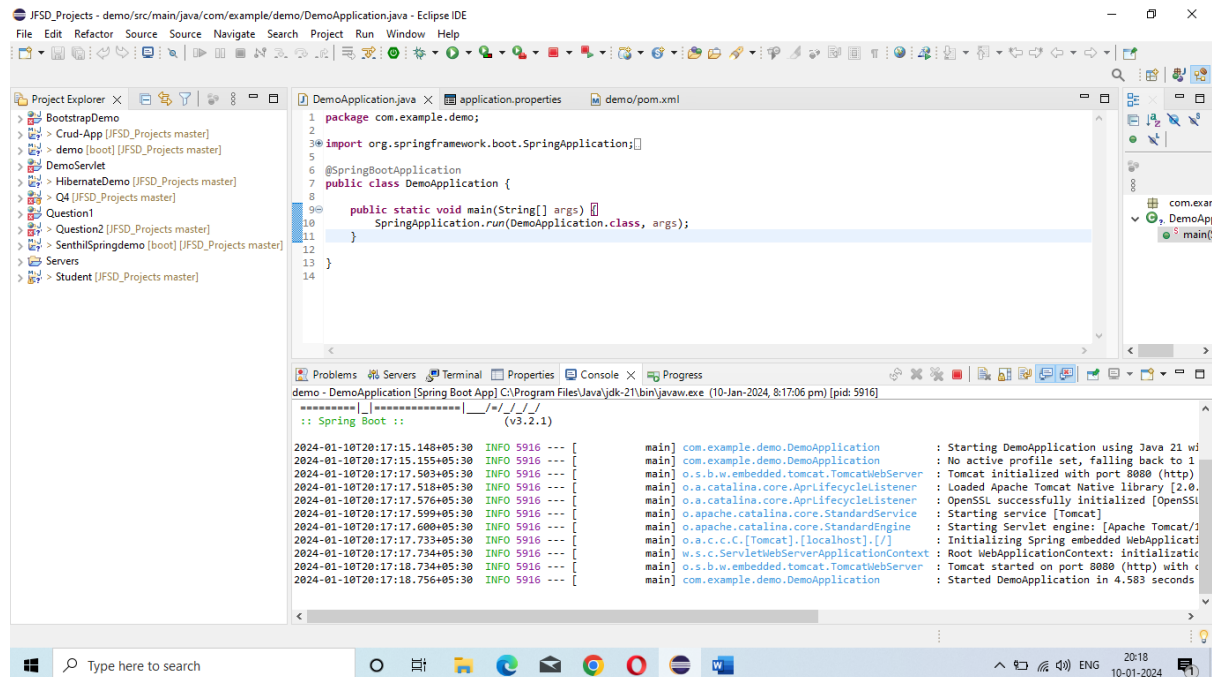


## Demo 1 creating and setting up a string boot project in Eclipse IDE

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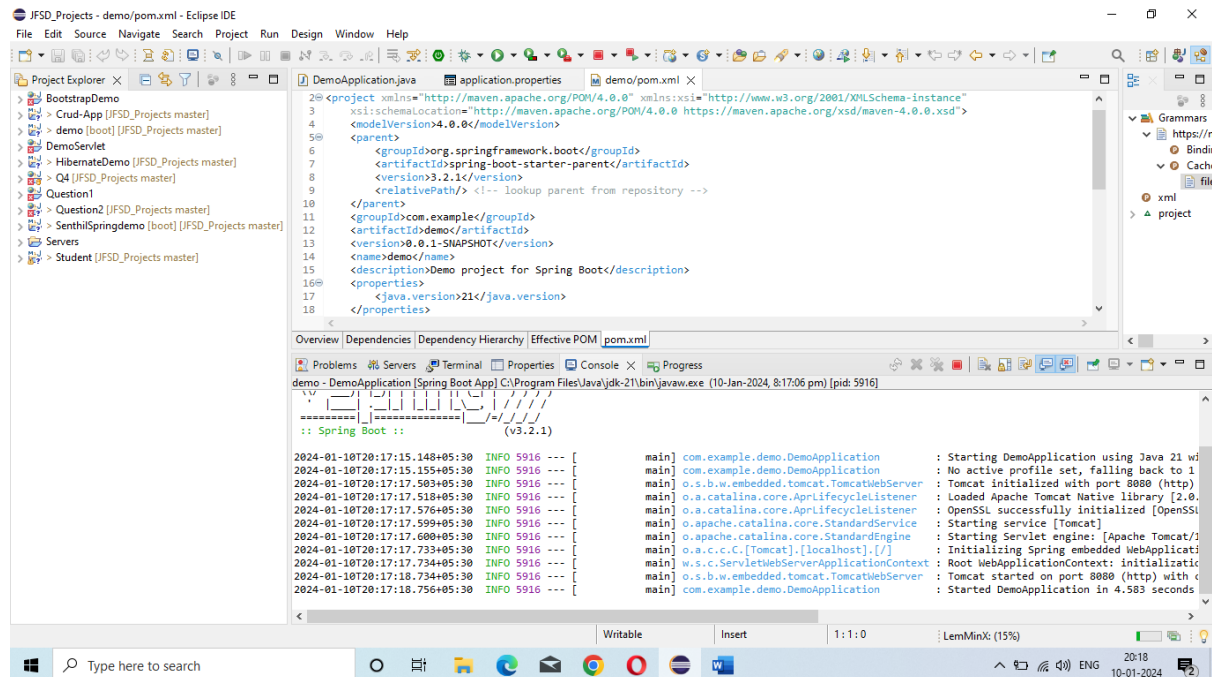


The screenshot shows the Eclipse IDE interface. The top pane displays the Java code for `DemoApplication.java`, which is a simple Spring Boot application. The code includes the package `com.example.demo`, imports `org.springframework.boot.SpringApplication`, and defines a `main` method that calls `SpringApplication.run(DemoApplication.class, args)`. The bottom pane shows the console output of the application running successfully, displaying the Spring Boot version (3.2.1) and the application's startup logs.

```
1 package com.example.demo;
2
3 import org.springframework.boot.SpringApplication;
4
5 @SpringBootApplication
6 public class DemoApplication {
7
8     public static void main(String[] args) {
9         SpringApplication.run(DemoApplication.class, args);
10    }
11
12 }
13
14
```

```
demo - DemoApplication [Spring Boot App] C:\Program Files\Java\jdk-21\bin\javaw.exe (10-Jan-2024, 8:17:06 pm) [pid: 5916]
=====
:: Spring Boot :: (v3.2.1)

2024-01-10T20:17:15.148+05:30 INFO 5916 --- [main] com.example.demo.DemoApplication : Starting DemoApplication using Java 21 wi
2024-01-10T20:17:15.155+05:30 INFO 5916 --- [main] com.example.demo.DemoApplication : No active profile set, falling back to 1
2024-01-10T20:17:17.503+05:30 INFO 5916 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http)
2024-01-10T20:17:17.518+05:30 INFO 5916 --- [main] o.a.catalina.core.AprLifecycleListener : Loaded Apache Tomcat Native library [2.0.
2024-01-10T20:17:17.576+05:30 INFO 5916 --- [main] o.a.catalina.core.AprLifecycleListener : OpenSSL successfully initialized [OpenSSL
2024-01-10T20:17:17.599+05:30 INFO 5916 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2024-01-10T20:17:17.600+05:30 INFO 5916 --- [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/1
2024-01-10T20:17:17.733+05:30 INFO 5916 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicati
2024-01-10T20:17:17.734+05:30 INFO 5916 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initializati
2024-01-10T20:17:18.734+05:30 INFO 5916 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with c
2024-01-10T20:17:18.756+05:30 INFO 5916 --- [main] com.example.demo.DemoApplication : Started DemoApplication in 4.583 seconds
```



The screenshot shows the Eclipse IDE interface. The top pane displays the XML code for the `pom.xml` file, which includes the Spring Boot parent and the project's dependencies. The bottom pane shows the console output of the application running successfully, displaying the Spring Boot version (3.2.1) and the application's startup logs.

```
2<?xml version="1.0" encoding="UTF-8" ?>
3<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
5  <modelVersion>4.0.0</modelVersion>
6  <parent>
7    <groupId>org.springframework.boot</groupId>
8    <artifactId>spring-boot-starter-parent</artifactId>
9    <version>3.2.1</version>
10   <relativePath><!-- lookup parent from repository -->
11   </parent>
12   <groupId>com.example</groupId>
13   <artifactId>demo</artifactId>
14   <version>0.0.1-SNAPSHOT</version>
15   <name>demo</name>
16   <description>Demo project for Spring Boot</description>
17   <properties>
18     <java.version>21</java.version>
19   </properties>
20
```

```
demo - DemoApplication [Spring Boot App] C:\Program Files\Java\jdk-21\bin\javaw.exe (10-Jan-2024, 8:17:06 pm) [pid: 5916]
=====
:: Spring Boot :: (v3.2.1)

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```

