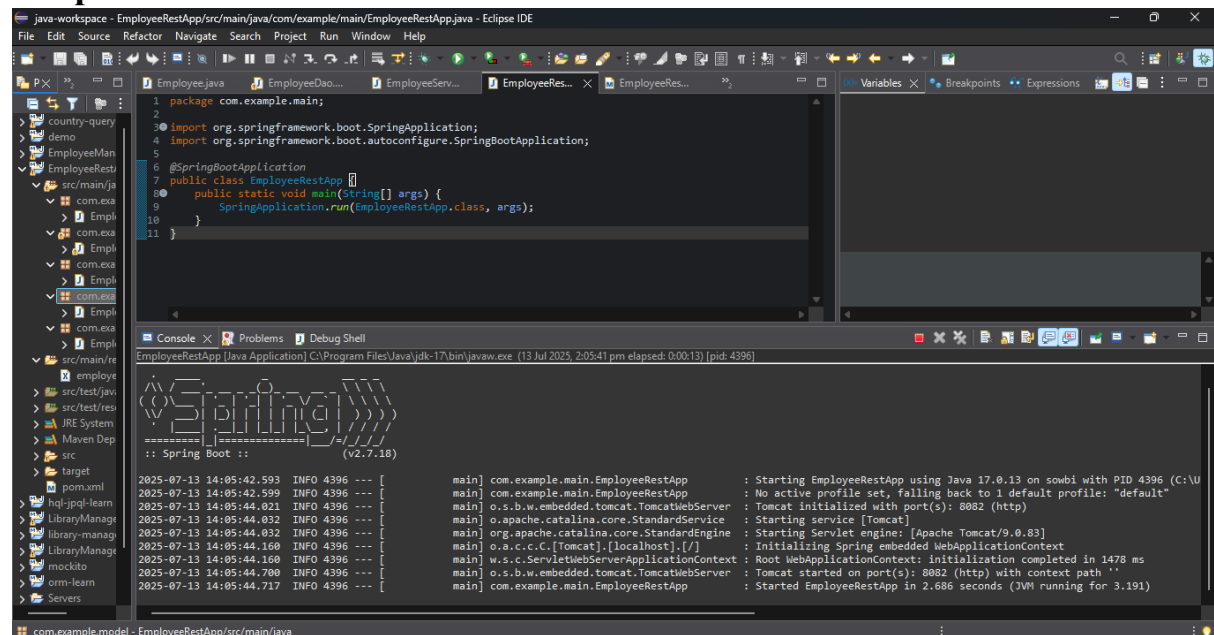


Problem Statement - Display Employee List and Edit Employee form using RESTful Web Service

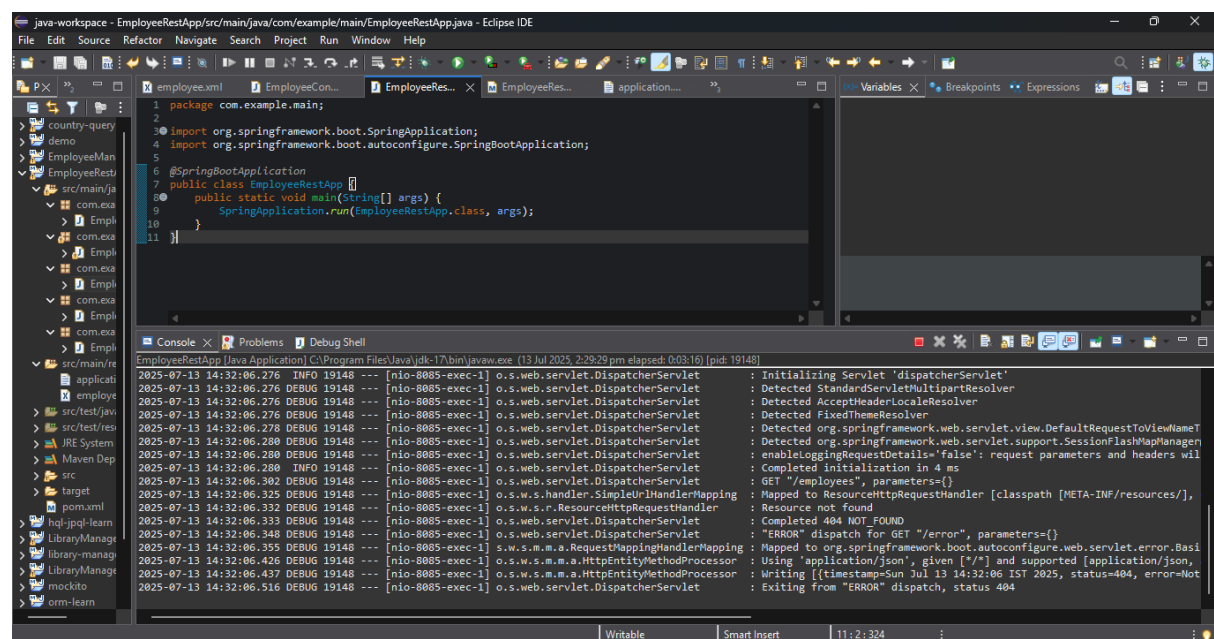
Output:



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

```
EmployeeRestApp [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (13 Jul 2025, 2:05:41 pm elapsed: 0:00:13) [pid: 4396]
:: Spring Boot ::
(v2.7.18)

2025-07-13 14:05:42.593 INFO 4396 --- [main] com.example.main.EmployeeRestApp : Starting EmployeeRestApp using Java 17.0.13 on sowbi with PID 4396 (C:\U
2025-07-13 14:05:42.599 INFO 4396 --- [main] com.example.main.EmployeeRestApp : No active profile set, falling back to 1 default profile: "default"
2025-07-13 14:05:44.021 INFO 4396 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8082 (http)
2025-07-13 14:05:44.032 INFO 4396 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-13 14:05:44.032 INFO 4396 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.83]
2025-07-13 14:05:44.160 INFO 4396 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-13 14:05:44.168 INFO 4396 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1478 ms
2025-07-13 14:05:44.700 INFO 4396 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8082 (http) with context path ""
2025-07-13 14:05:44.717 INFO 4396 --- [main] com.example.main.EmployeeRestApp : Started EmployeeRestApp in 2.686 seconds (JVM running for 3.191)
```

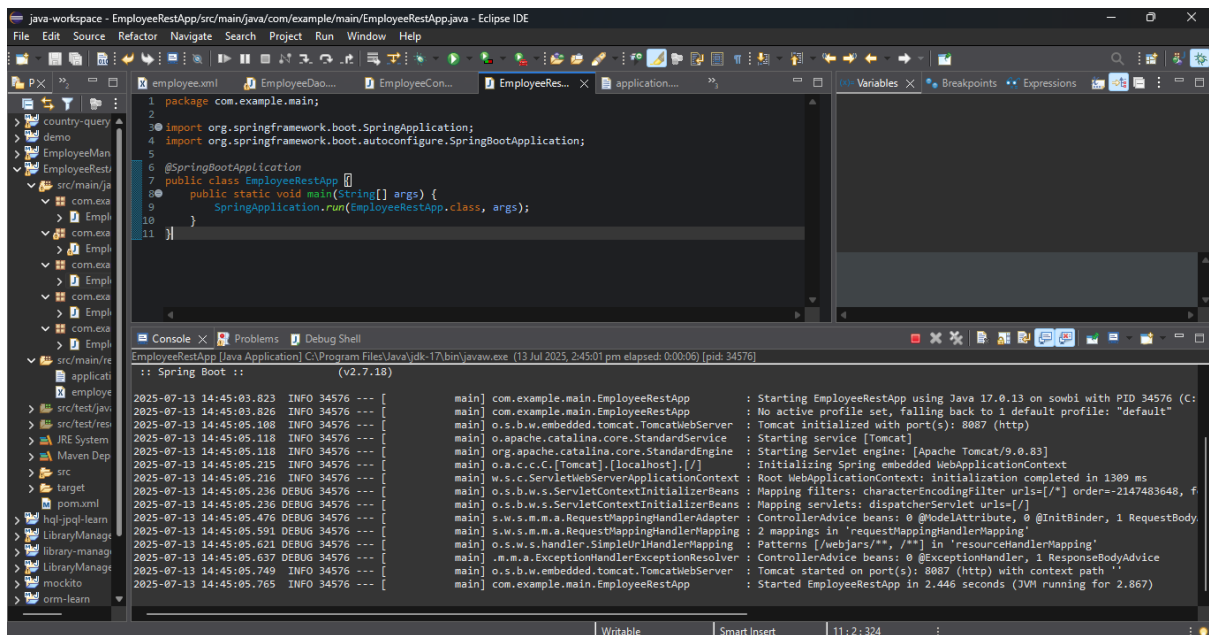


```
1 package com.example.main;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class EmployeeRestApp {
8     public static void main(String[] args) {
9         SpringApplication.run(EmployeeRestApp.class,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

```
EmployeeRestApp [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (13 Jul 2025, 2:29:29 pm elapsed: 0:03:16) [pid: 19148]
2025-07-13 14:32:06.276 INFO 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-07-13 14:32:06.276 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : Detected StandardServletMultipartResolver
2025-07-13 14:32:06.276 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : Detected AcceptHeaderLocalResolver
2025-07-13 14:32:06.276 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : Detected FixedThemeResolver
2025-07-13 14:32:06.278 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.view.DefaultRequestToViewNameT
2025-07-13 14:32:06.280 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.support.SessionFlashMapManagen
2025-07-13 14:32:06.280 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : enableLoggingRequestDetails='false': request parameters and headers wil
2025-07-13 14:32:06.302 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 4 ms
2025-07-13 14:32:06.325 DEBUG 19148 --- [nio-8085-exec-1] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped to ResourceHttpRequestHandler [classpath [META-INF/resources/],
2025-07-13 14:32:06.332 DEBUG 19148 --- [nio-8085-exec-1] o.s.w.s.r.ResourceHttpRequestHandler : Resource not found
2025-07-13 14:32:06.333 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : Completed 404 NOT_FOUND
2025-07-13 14:32:06.348 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : "ERROR" dispatch for GET "/error", parameters={}
2025-07-13 14:32:06.355 DEBUG 19148 --- [nio-8085-exec-1] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to org.springframework.boot.autoconfigure.web.servlet.error.Basi
2025-07-13 14:32:06.426 DEBUG 19148 --- [nio-8085-exec-1] o.s.w.s.m.m.a.HttpEntityMethodProcessor : Using 'application/json', given [*//*] and supported [application/json,
2025-07-13 14:32:06.437 DEBUG 19148 --- [nio-8085-exec-1] o.s.w.s.m.m.a.HttpEntityMethodProcessor : Writing [(timestamp=Sun Jul 13 14:32:06 IST 2025, status=404, error=Not
2025-07-13 14:32:06.516 DEBUG 19148 --- [nio-8085-exec-1] o.s.web.servlet.DispatcherServlet : Exiting from "ERROR" dispatch, status 404
```

Create static employee list data using spring xml configuration

Output:

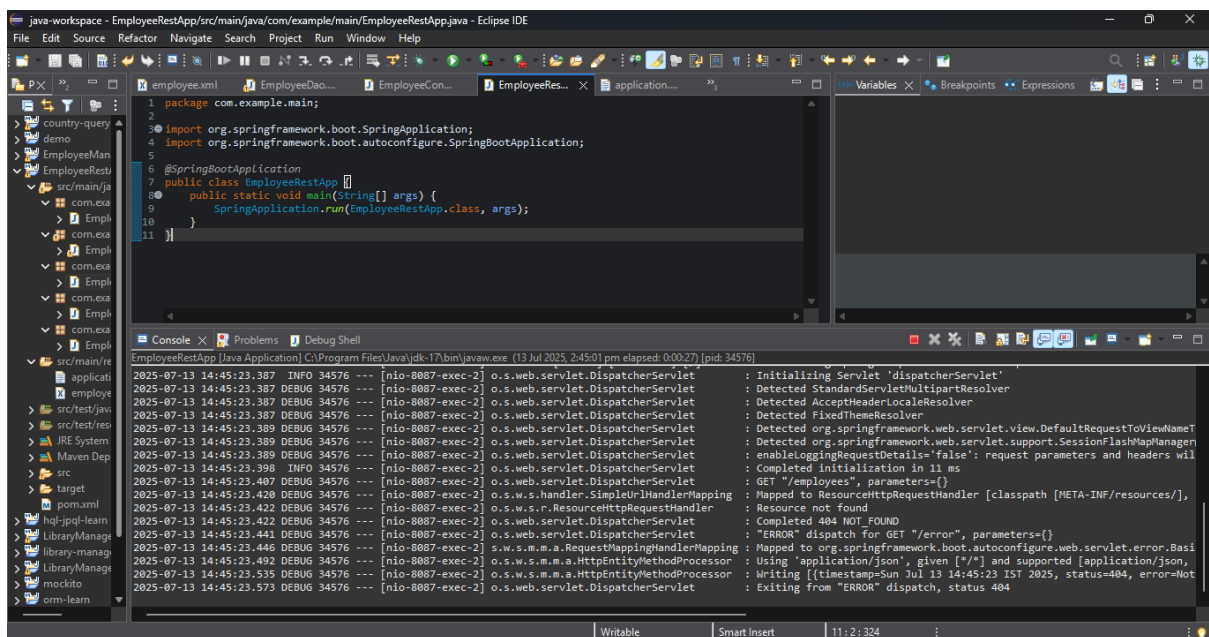


The screenshot shows the Eclipse IDE with the `EmployeeRestApp.java` file open. The code is as follows:

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

The console output shows the application starting successfully on port 8087:

```
2025-07-13 14:45:03.823 INFO 34576 --- [main] com.example.main.EmployeeRestApp : Starting EmployeeRestApp using Java 17.0.13 on sowbi with PID 34576 (C:\Program Files\Java\jdk-17\bin\java.exe (13 Jul 2025, 2:45:01 pm elapsed: 0:00:06) [pid: 34576])
2025-07-13 14:45:03.826 INFO 34576 --- [main] com.example.main.EmployeeRestApp : No active profile set, falling back to 1 default profile: "default"
2025-07-13 14:45:05.108 INFO 34576 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8087 (http)
2025-07-13 14:45:05.118 INFO 34576 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-13 14:45:05.118 INFO 34576 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.83]
2025-07-13 14:45:05.215 INFO 34576 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-13 14:45:05.216 INFO 34576 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1309 ms
2025-07-13 14:45:05.236 DEBUG 34576 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping filters: characterEncodingFilter urls=[/*] orders=-2147483648, f
2025-07-13 14:45:05.236 DEBUG 34576 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping servlets: dispatcherServlet urls=[/]
2025-07-13 14:45:05.476 DEBUG 34576 --- [main] s.w.s.m.m.a.RequestMappingHandlerAdapter : ControllerAdvice beans: 0 @ModelAttribute, 0 @InitBinder, 1 RequestBody
2025-07-13 14:45:05.591 DEBUG 34576 --- [main] s.w.s.m.m.a.RequestMappingHandlerMapping : 2 mappings in 'requestMappingHandlerMapping'
2025-07-13 14:45:05.621 DEBUG 34576 --- [main] o.s.w.s.handler.SimpleUrlHandlerMapping : Patterns [/webjars/**, /**] in 'resourceHandlerMapping'
2025-07-13 14:45:05.637 DEBUG 34576 --- [main] .m.m.a.ExceptionHandlerExceptionResolver : ControllerAdvice beans: 0 @ExceptionHandler, 1 ResponseBodyAdvice
2025-07-13 14:45:05.749 INFO 34576 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8087 (http) with context path ''
2025-07-13 14:45:05.765 INFO 34576 --- [main] com.example.main.EmployeeRestApp : Started EmployeeRestApp in 2.446 seconds (JVM running for 2.867)
```



The screenshot shows the Eclipse IDE with the `EmployeeRestApp.java` file open. The code is as follows:

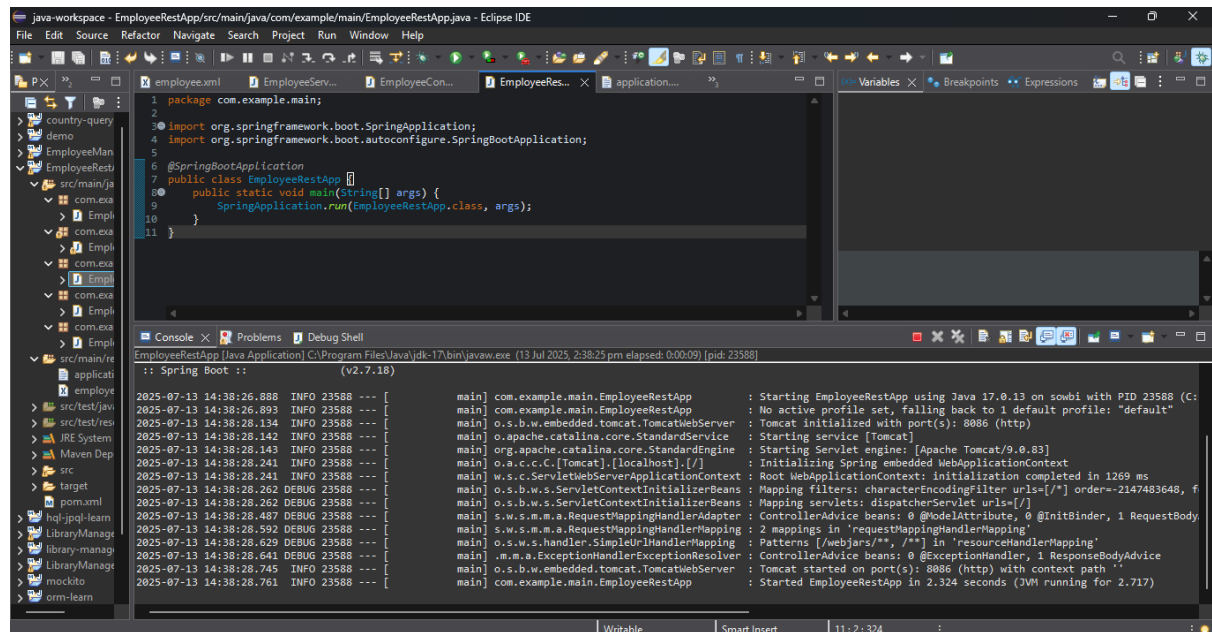
```
1 package com.example.main;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class EmployeeRestApp {
8     public static void main(String[] args) {
9         SpringApplication.run(EmployeeRestApp.class,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

The console output shows the application starting successfully on port 8087:

```
2025-07-13 14:45:23.387 INFO 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-07-13 14:45:23.387 INFO 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Detected StandardServletMultipartResolver
2025-07-13 14:45:23.387 INFO 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Detected AcceptHeaderLocaleResolver
2025-07-13 14:45:23.387 INFO 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Detected FixedHeaderResolver
2025-07-13 14:45:23.389 INFO 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.view.DefaultRequestToViewNameT
2025-07-13 14:45:23.389 INFO 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.support.SessionFlashMapManagen
2025-07-13 14:45:23.389 INFO 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : enableLoggingRequestDetails='false': request parameters and headers wil
2025-07-13 14:45:23.398 INFO 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Completed initialization in 11 ms
2025-07-13 14:45:23.407 DEBUG 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : GET '/employees', parameters={}
2025-07-13 14:45:23.420 DEBUG 34576 --- [nio-8087-exec-2] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped to ResourceHttpRequestHandler [classpath [META-INF/resources/],
2025-07-13 14:45:23.422 DEBUG 34576 --- [nio-8087-exec-2] o.s.w.s.r.ResourceHttpRequestHandler : Resource not found
2025-07-13 14:45:23.441 DEBUG 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Completed 404 NOT_FOUND
2025-07-13 14:45:23.446 DEBUG 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : "ERROR" dispatch for GET "/error", parameters={}
2025-07-13 14:45:23.492 DEBUG 34576 --- [nio-8087-exec-2] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to org.springframework.boot.autoconfigure.web.servlet.error.Basi
2025-07-13 14:45:23.535 DEBUG 34576 --- [nio-8087-exec-2] o.s.w.s.m.m.a.HttpEntityMethodProcessor : Using 'application/json', given [*/] and supported [application/json,
2025-07-13 14:45:23.573 DEBUG 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Writing [{"timestamp":"Sun Jul 13 14:45:23 IST 2025", "status":404, "error":"Not
2025-07-13 14:45:23.573 DEBUG 34576 --- [nio-8087-exec-2] o.s.web.servlet.DispatcherServlet : Exiting from "ERROR" dispatch, status 404
```

Create REST service to gets all employees

Output:



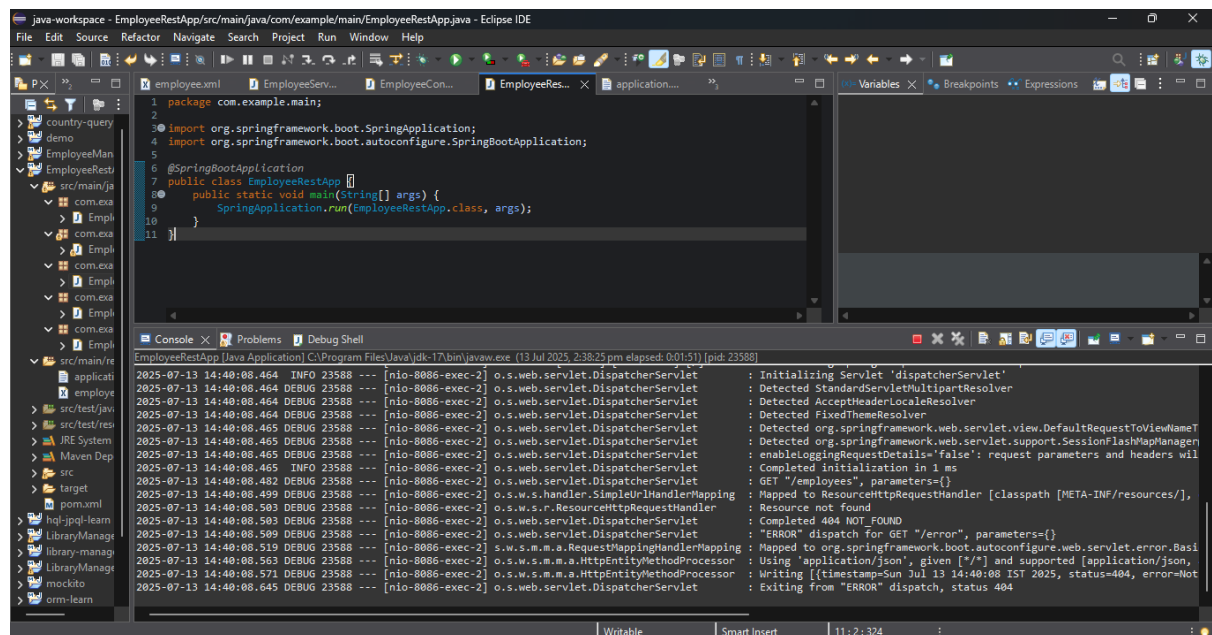
The screenshot shows the Eclipse IDE with the `EmployeeRestApp.java` file open. The code is as follows:

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

The console output shows the application starting successfully:

```
EmployeeRestApp [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (13 Jul 2025, 2:38:25 pm elapsed: 0:00:09 [pid: 23588])
:: Spring Boot ::
(v2.7.18)

2025-07-13 14:38:26.888 INFO 23588 --- [main] com.example.main.EmployeeRestApp : Starting EmployeeRestApp using Java 17.0.13 on sowbi with PID 23588 (C:\Program Files\Java\jdk-17\bin\javaw.exe)
2025-07-13 14:38:26.893 INFO 23588 --- [main] com.example.main.EmployeeRestApp : No active profile set, falling back to 1 default profile: "default"
2025-07-13 14:38:28.134 INFO 23588 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8086 (http)
2025-07-13 14:38:28.142 INFO 23588 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.83]
2025-07-13 14:38:28.241 INFO 23588 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-13 14:38:28.241 INFO 23588 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1269 ms
2025-07-13 14:38:28.262 DEBUG 23588 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping filters: characterEncodingFilter urls=[/*] order=-2147483648, f
2025-07-13 14:38:28.262 DEBUG 23588 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping servlets: dispatcherServlet urls=[/*]
2025-07-13 14:38:28.487 DEBUG 23588 --- [main] s.w.s.m.a.RequestMappingHandlerAdapter : ControllerAdvice beans: 0 @ModelAttribute, 0 @InitBinder, 1 RequestBody
2025-07-13 14:38:28.492 DEBUG 23588 --- [main] s.w.s.m.a.RequestMappingHandlerMapping : 2 mappings in 'requestHandlerMapping'
2025-07-13 14:38:28.629 DEBUG 23588 --- [main] o.s.w.s.handler.SimpleUrlHandlerMapping : Patterns [/webjars/**, /**] in 'resourceHandlerMapping'
2025-07-13 14:38:28.641 DEBUG 23588 --- [main] .m.a.ExceptionHandlerExceptionResolver : ControllerAdvice beans: 0 @ExceptionHandler, 1.ResponseBodyAdvice
2025-07-13 14:38:28.745 INFO 23588 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8086 (http) with context path ''
2025-07-13 14:38:28.761 INFO 23588 --- [main] com.example.main.EmployeeRestApp : Started EmployeeRestApp in 2.324 seconds (JVM running for 2.717)
```



The screenshot shows the Eclipse IDE with the `EmployeeRestApp.java` file open. The code is as follows:

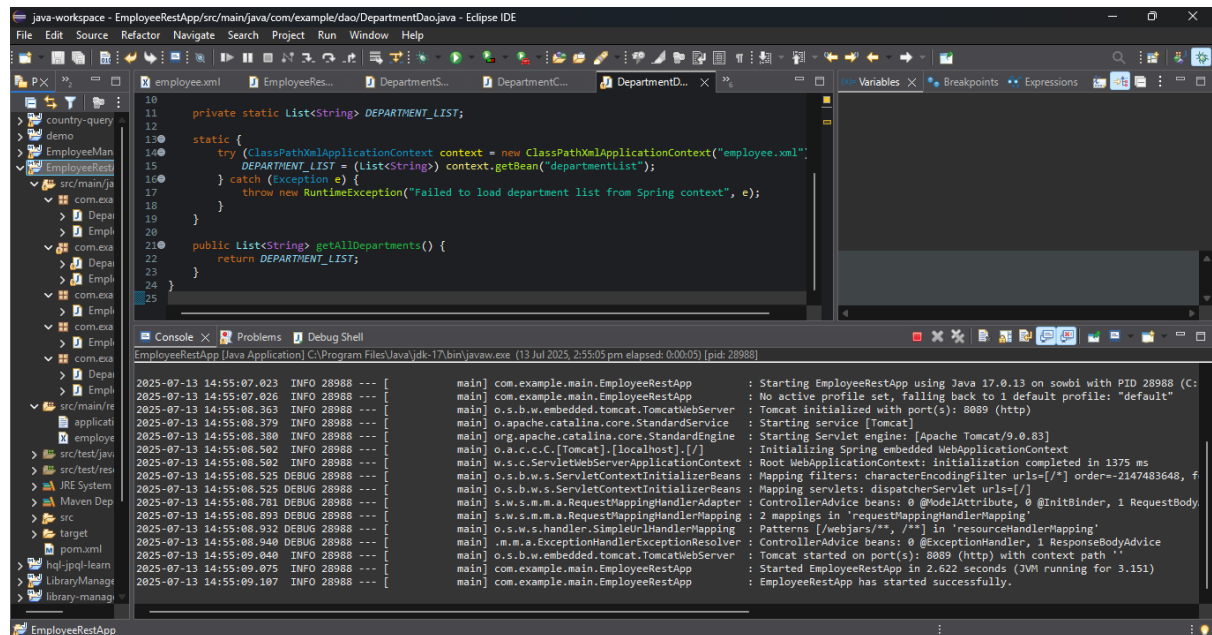
```
1 package com.example.main;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class EmployeeRestApp {
8     public static void main(String[] args) {
9         SpringApplication.run(EmployeeRestApp.class,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

The console output shows the application starting successfully:

```
EmployeeRestApp [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (13 Jul 2025, 2:38:25 pm elapsed: 0:01:51 [pid: 23588])
2025-07-13 14:40:08.464 INFO 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-07-13 14:40:08.464 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : Detected StandardServletMultipartResolver
2025-07-13 14:40:08.464 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : Detected AcceptHeaderLocaleResolver
2025-07-13 14:40:08.464 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : Detected FixedThemeResolver
2025-07-13 14:40:08.465 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.view.DefaultRequestToViewNameT
2025-07-13 14:40:08.465 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.support.SessionFlashMapManagen
2025-07-13 14:40:08.465 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : enableLoggingRequestDetails='false': request parameters and headers wil
2025-07-13 14:40:08.465 INFO 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
2025-07-13 14:40:08.482 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : GET "/employees", parameters={}
2025-07-13 14:40:08.499 DEBUG 23588 --- [nio-8086-exec-2] o.s.w.s.r.ResourceHttpRequestHandler : Mapped to ResourceHttpRequestHandler [classpath [META-INF/resources/],
2025-07-13 14:40:08.503 DEBUG 23588 --- [nio-8086-exec-2] o.s.w.s.r.ResourceHttpRequestHandler : Resource not found
2025-07-13 14:40:08.503 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : Completed 404 NOT_FOUND
2025-07-13 14:40:08.509 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : "ERROR" dispatch for GET "/error", parameters={}
2025-07-13 14:40:08.519 DEBUG 23588 --- [nio-8086-exec-2] s.w.s.m.a.RequestMappingHandlerMapping : Mapped to org.springframework.boot.autoconfigure.web.servlet.error.Basi
2025-07-13 14:40:08.563 DEBUG 23588 --- [nio-8086-exec-2] o.s.w.s.m.a.HttpEntityMethodProcessor : Using 'application/json', given [/*] and supported [application/json,
2025-07-13 14:40:08.571 DEBUG 23588 --- [nio-8086-exec-2] o.s.w.s.m.a.HttpEntityMethodProcessor : Writing [{"timestamp":"Sun Jul 13 14:40:08 IST 2025", "status":404, "error":"Not
2025-07-13 14:40:08.645 DEBUG 23588 --- [nio-8086-exec-2] o.s.web.servlet.DispatcherServlet : Exiting from "ERROR" dispatch, status 404
```

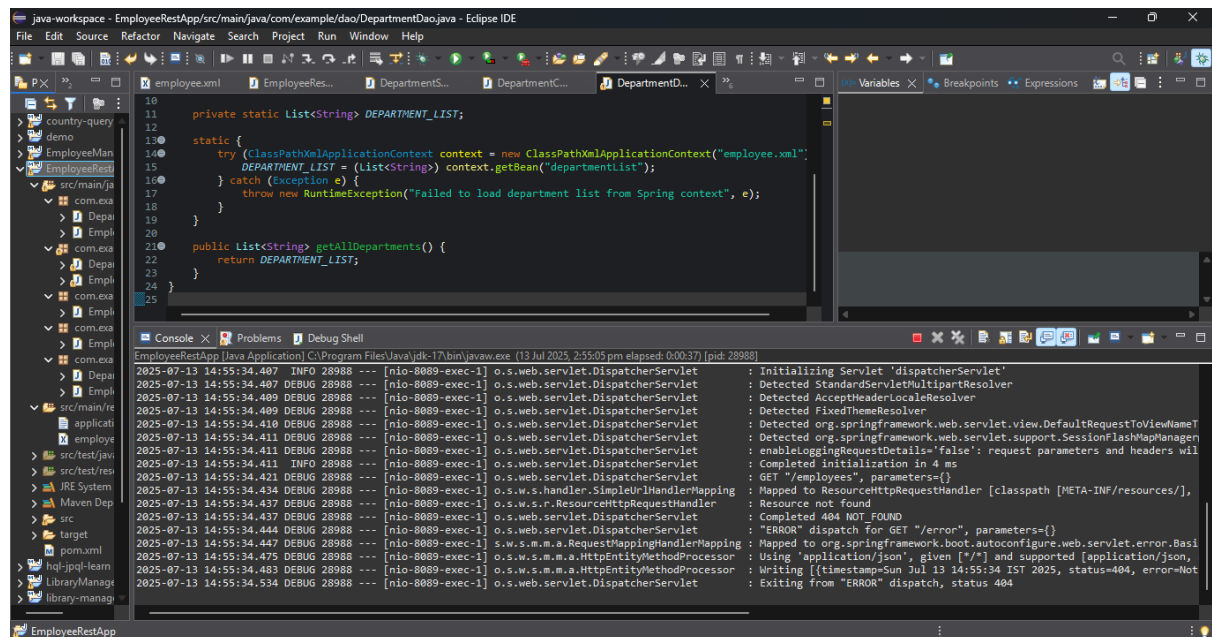
Create REST service for department

Output:



```
10 private static List<String> DEPARTMENT_LIST;
11
12
13 static {
14     try {
15         (ClassPathXmlApplicationContext context = new ClassPathXmlApplicationContext("employee.xml");
16         DEPARTMENT_LIST = (List<String>) context.getBean("departmentList");
17     } catch (Exception e) {
18         throw new RuntimeException("Failed to load department list from Spring context", e);
19     }
20 }
21
22 public List<String> getAllDepartments() {
23     return DEPARTMENT_LIST;
24 }
25 }
```

```
2025-07-13 14:55:07.023 INFO 28988 --- [main] com.example.main.EmployeeRestApp : Starting EmployeeRestApp using Java 17.0.13 on sowbi with PID 28988 (C:\Program Files\Java\jdk-17\bin\java.exe [13 Jul 2025, 2:55:05 pm elapsed: 0:00:05] [pid: 28988])
2025-07-13 14:55:07.026 INFO 28988 --- [main] com.example.main.EmployeeRestApp : No active profile set, falling back to 1 default profile: "default"
2025-07-13 14:55:08.363 INFO 28988 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8089 (http)
2025-07-13 14:55:08.379 INFO 28988 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-13 14:55:08.388 INFO 28988 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.83]
2025-07-13 14:55:08.502 INFO 28988 --- [main] o.a.c.c.c.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-13 14:55:08.502 INFO 28988 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1375 ms
2025-07-13 14:55:08.525 DEBUG 28988 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping filters: characterEncodingFilter urls=[/*] order=-2147483648, f
2025-07-13 14:55:08.525 DEBUG 28988 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping servlets: dispatcherServlet urls=[/]
2025-07-13 14:55:08.781 DEBUG 28988 --- [main] s.w.s.m.a.a.RequestMappingHandlerAdapter : ControllerAdvice beans: 0 @ModelAttribute, 0 @InitBinder, 1 RequestBody
2025-07-13 14:55:08.893 DEBUG 28988 --- [main] s.w.s.m.a.a.RequestMappingHandlerAdapter : 2 mappings in 'requestMappingHandlerMapping'
2025-07-13 14:55:08.932 DEBUG 28988 --- [main] o.s.w.s.handler.SimpleUrlHandlerMapping : Patterns [/webjars/**, /**] in 'resourceHandlerMapping'
2025-07-13 14:55:08.940 DEBUG 28988 --- [main] j.m.a.ExceptionHandlerExceptionResolver : ControllerAdvice beans: 0 @ExceptionHandler, 1 ResponseBodyAdvice
2025-07-13 14:55:09.040 INFO 28988 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8089 (http) with context path ''
2025-07-13 14:55:09.075 INFO 28988 --- [main] com.example.main.EmployeeRestApp : Started EmployeeRestApp in 2.622 seconds (JVM running for 3.151)
2025-07-13 14:55:09.107 INFO 28988 --- [main] com.example.main.EmployeeRestApp : EmployeeRestApp has started successfully.
```



```
10 private static List<String> DEPARTMENT_LIST;
11
12
13 static {
14     try {
15         (ClassPathXmlApplicationContext context = new ClassPathXmlApplicationContext("employee.xml");
16         DEPARTMENT_LIST = (List<String>) context.getBean("departmentList");
17     } catch (Exception e) {
18         throw new RuntimeException("Failed to load department list from Spring context", e);
19     }
20 }
21
22 public List<String> getAllDepartments() {
23     return DEPARTMENT_LIST;
24 }
25 }
```

```
2025-07-13 14:55:34.407 INFO 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-07-13 14:55:34.407 DEBUG 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : Detected StandardServletMultipartResolver
2025-07-13 14:55:34.409 DEBUG 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : Detected AcceptHeaderLocaleResolver
2025-07-13 14:55:34.409 DEBUG 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : Detected FixedThemeResolver
2025-07-13 14:55:34.410 DEBUG 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.view.DefaultRequestToViewNameM
2025-07-13 14:55:34.411 DEBUG 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.support.SessionFlashMapManag
2025-07-13 14:55:34.411 INFO 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : enableLoggingRequestDetails='false': request parameters and headers wil
2025-07-13 14:55:34.421 INFO 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 4 ms
2025-07-13 14:55:34.421 DEBUG 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : GET "/employees", parameters={}
2025-07-13 14:55:34.434 DEBUG 28988 --- [nio-8089-exec-1] o.s.w.s.h.handler.SimpleUrlHandlerMapping : Mapped to ResourceHttpRequestHandler [classpath [META-INF/resources/],
2025-07-13 14:55:34.437 DEBUG 28988 --- [nio-8089-exec-1] o.s.w.s.h.ResourceHttpRequestHandler : Resource not found
2025-07-13 14:55:34.437 DEBUG 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : Completed 404 NOT FOUND
2025-07-13 14:55:34.444 DEBUG 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : "ERROR" dispatch for GET "/error", parameters={}
2025-07-13 14:55:34.447 DEBUG 28988 --- [nio-8089-exec-1] s.w.s.m.a.a.RequestMappingHandlerMapping : Mapped to org.springframework.boot.autoconfigure.web.servlet.error.Basi
2025-07-13 14:55:34.475 DEBUG 28988 --- [nio-8089-exec-1] o.s.w.s.m.a.a.HttpEntityMethodProcessor : Using 'application/json', given ["/"] and supported [application/json,
2025-07-13 14:55:34.483 DEBUG 28988 --- [nio-8089-exec-1] o.s.w.s.m.a.a.HttpEntityMethodProcessor : Writing [{"timestamp":"Sun Jul 13 14:55:34 IST 2025", "status":404, "error":"Not
2025-07-13 14:55:34.534 DEBUG 28988 --- [nio-8089-exec-1] o.s.web.servlet.DispatcherServlet : Exiting from "ERROR" dispatch, status 404
```