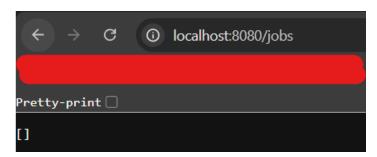
```
PS C:\Users\ajayt\OneDrive\Desktop\Spring\jobnotification> ./mvnw spring-boot:run
[INFO]
      Scanning for projects...
[INFO]
[INFO]
      Building jobnotification 0.0.1-SNAPSHOT
INFO
        from pom.xml
INFO
                         -----[ jar ]------
INFO
INFO
      >>> spring-boot:3.3.4:run (default-cli) > test-compile @ jobnotification >>>
INFO
INFO
 INFO
          resources:3.3.1:resources (default-resources) @ jobnotification ---
      Copying 1 resource from src\main\resources to target\classes
INFO]
      Copying 0 resource from src\main\resources to target\classes
INFO]
INFO
INFO]
      --- compiler:3.13.0:compile (default-compile) @ jobnotification ---
INFO]
      Nothing to compile - all classes are up to date.
[INFO]
INFO
      --- resources:3.3.1:testResources (default-testResources) @ jobnotification ---
      skip non existing resourceDirectory C:\Users\ajayt\OneDrive\Desktop\Spring\jobnotification\src\test\resources
INFO
INFO
      --- compiler:3.13.0:testCompile (default-testCompile) @ jobnotification ---
INFO
INFO
      Nothing to compile - all classes are up to date.
INFO
      <<< spring-boot:3.3.4:run (default-cli) < test-compile @ jobnotification <<</pre>
INFO]
TNFO
INFO]
INFO]
       --- spring-boot:3.3.4:run (default-cli) @ jobnotification ---
[INFO] Attaching agents: []
```

```
:: Spring Boot ::
                                                       (v3.3.4)
2024-09-28T12:00:35.401+05:30 INFO 31112 --- [jobnotification] [ restartedMain] c.e.j.JobNotificationApplication : Starting JobNotificationApplication using ava 22.0.2 with PID 31112 (C:\Users\ajayt\OneDrive\Desktop\Spring\jobnotification\target\classes started by ajayt in C:\Users\ajayt\OneDrive\Desktop\Spring\jobnotification\target\Capparagetarrow and capparagetarrow are constituted by a constant of the const
2024-09-28T12:00:35.403+05:30 INFO 31112 --- [jobnotification] [ restartedMain] c.e.j.JobNotificationApplication fault profile: "default"
                                                                                                                                                                                                         : No active profile set, falling back to 1 de
2024-09-28T12:00:35.449+05:30 INFO 31112 --- [jobnotification] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spi
ing.devtools.add-properties' to 'false' to disable
2024-09-28T12:00:35.455+05:30 INFO 31112 --- [jobnotification] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider
setting the 'logging.level.web' property to 'DEBUG
2024-09-28T12:00:35.983+05:30 INFO 31112 ---
                                                                          [jobnotification] [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories
in DEFAULT mode.
2024-09-28T12:00:36.028+05:30 INFO 31112 --- [jobnotification] [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in
 37 ms. Found 1 JPA repository interface.
2024-09-28T12:00:36.485+05:30
                                                 INFO 31112
                                                                          [jobnotification] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http)
                                                                                                             restartedMain] o.apache.catalina.core.StandardService
2024-09-28T12:00:36.496+05:30 INFO 31112
                                                                          [jobnotification] [ restartedMain] o.apache.catalina.core.StandardService
[jobnotification] [ restartedMain] o.apache.catalina.core.StandardEngine
                                                                                                                                                                                                       : Starting service [Tomcat]
: Starting Servlet engine: [Apache Tomcat/10
2024-09-28T12:00:36.497+05:30 INFO 31112
2024-09-28T12:00:36.547+05:30 INFO 31112 --- [jobnotification] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/]
                                                                                                                                                                                                         : Initializing Spring embedded WebApplication
Context
2024-09-28T12:00:36.549+05:30 INFO 31112 --- [jobnotification] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization
completed in 1092 ms
                                                                                                                                                                                                         : HikariPool-1 - Starting...
: HikariPool-1 - Added connection conn0: url
2024-09-28T12:00:36.576+05:30 INFO 31112 --- [jobnotification] [ restartedMain] com.zaxxer.hikari.HikariDataSource
                                                                           [jobnotification] [
2024-09-28T12:00:36.731+05:30 INFO 31112 ---
jdbc:h2:mem:38137254-8d33-4417-9865-9894a7823f2c user=SA
2024-09-28T12:00:36.733+05:30 INFO 31112 --- [jobnotification] [ restartedMain] com.zaxxer.hikari.HikariDataSource 2024-09-28T12:00:36.742+05:30 INFO 31112 --- [jobnotification] [ restartedMain] o.s.b.a.h2.H2ConsoleAutoConfiguration
                                                                                                                                                                                                          : HikariPool-1 - Start completed.
                                                                                                             restartedMain] o.s.b.a.h2.H2ConsoleAutoConfiguration
                                                                                                                                                                                                          : H2 console available at '/h2-console'. Dat
base available at 'jdbc:h2:mem:38137254-8d33-4417-9865-9894a7823f2c
2024-09-28T12:00:36.848+05:30 INFO 31112 --- [jobnotification] [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo
name: default]
2024-09-28T12:00:36.891+05:30 INFO 31112 --- [jobnotification] [ restartedMain] org.hibernate.Version
                                                                                                                                                                                                          : HHH000412: Hibernate ORM core version 6.5.
.Final
2024-09-28T12:00:36.918+05:30 INFO 31112 --- [jobnotification] [ restartedMain] o.h.c.internal.RegionFactoryInitiator
                                                                                                                                                                                                         : HHH000026: Second-level cache disabled
restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo
                                                                                                                                                                                                          : No LoadTimeWeaver setup: ignoring JPA class
 transformer
```

```
%66xe80x8a0x0e0xe70x840xcd0xf30x030x8a3 ]. HTTP method names must be tokens
at org.apache.coyote.http11.Http11InputBuffer.parseRequestLine(Http11InputBuffer.java:407) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:257) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:63) ~[tomcat-embed-core-10.1.30.jar:10.1.30] at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:905) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
             at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1741) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:52) ~[tomcat-embed-core-10.1.30.jar:10.1.30] at org.apache.tomcat.util.threads.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1190) ~[tomcat-embed-core-10.1.30.jar:10.1.30] at org.apache.tomcat.util.threads.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:659) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:63) ~[tomcat-embed-core-10.1.30.jar:10.1.30] at java.base/java.lang.Thread.run(Thread.java:1570) ~[na:na]
2024-09-28T12:01:01.782+05:30 INFO 31112 --- [jobnotification] [nio-8080-exec-3] o.apache.coyote.http11.Http11Processor : Error parsing HTTP request header Note: further occurrences of HTTP request parsing errors will be logged at DEBUG level.
java.lang.IllegalArgumentException: Invalid character found in method name [0x160x030x010x060xf20x010x000x060xee0x030x030x030xa90x09580xfa0xdb0xf50xcd0x9c0xed0x0f'0xc60x91_r60x810xfd0xf00xb20x080xd10x9b0x0a=0xfd0xfbr0xbe^0xc7 ]. HTTP method names must be tokens
            at org.apache.coyote.http11.Http11InputBuffer.parseRequestLine(Http11InputBuffer.java:407) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:257) ~[tomcat-embed-core-10.1.30.jar:10.1.30] at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:63) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:905) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1741) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:52) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at org.apache.tomcat.util.threads.ThreadPoolExecutor.runNorker(ThreadPoolExecutor.java:1190) ~[tomcat-embed-core-10.1.30.jar:10.1.30] at org.apache.tomcat.util.threads.ThreadPoolExecutor$\sqrt{worker.run}(ThreadPoolExecutor.java:659) ~[tomcat-embed-core-10.1.30.jar:10.1.30] at org.apache.tomcat.util.threads.TaskThread$\sqrt{wrappingRunnable.run}(TaskThread.java:63) ~[tomcat-embed-core-10.1.30.jar:10.1.30]
            at java.base/java.lang.Thread.run(Thread.java:1570) ~[na:na]
2024-09-28T12:02:02.200+05:30 INFO 31112 --- [jobnotification] [nio-8080-exec-9] o.a.c.c.[Tomcat].[localhost].[/]
                                                                                                                                                                                              : Initializing Spring DispatcherServlet 'disp
2024-09-28T12:02:02.200+05:30 INFO 31112 --- [jobnotification] [nio-8080-exec-9] o.s.web.servlet.DispatcherServlet 2024-09-28T12:02:02.201+05:30 INFO 31112 --- [jobnotification] [nio-8080-exec-9] o.s.web.servlet.DispatcherServlet
                                                                                                                                                                                              : Initializing Servlet 'dispatcherServlet'
: Completed initialization in 1 ms
```

# Just after running the spring app through terminal



#### After doing a POST request using regbin chrome extension, the result is



## Adding Database connectivity

```
src > main > resources > \equiv application.properties

1     spring.application.name=jobnotification
2     spring.datasource.url=jdbc:mysql://localhost:3306/job_notification_db
3     spring.datasource.username=root
4     spring.datasource.password=3211
5     spring.jpa.hibernate.ddl-auto=update
6     spring.jpa.show-sql=true
7
```

# New dependency addition to pom.xml

## Showing database content

## Adding one more new content

#### Browser view:

#### In database:

```
      mysql> select * from job_notification;

      ! job_id | description | job_title | location | salary |

      ! the continuous process | location | salary |

      | 1 | Full-time Java developer role | Java Developer | Remote | 60000 |

      | 2 | Full-time role | Python Developer | In-Office | 70000 |

      | the continuous process | Python Developer | In-Office | 70000 |
```

# **GET** request

Browser view:

### In database:

```
mysql> select * from job_notification where job_id=2;
+-----+
| job_id | description | job_title | location | salary |
+-----+
| 2 | Full-time role | Python Developer | In-Office | 70000 |
+-----+
1 row in set (0.00 sec)
```