

C:\Windows\System32\cmd.exe - docker exec -it 6aa6aa98e381 bash

Microsoft Windows [Version 10.0.19043.928]

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C:\Users\DELL\Desktop\dockernew>docker network create mynet
506a8c88b6a5fb285456e1f47ef03fc71feceea86d63201018f1e3f1c68fb715

C:\Users\DELL\Desktop\dockernew>docker run --name mydb --network mynet -e MYSQL_ROOT_PASSWORD=1234
"docker run" requires at least 1 argument.
See 'docker run --help'.

Usage: docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Run a command in a new container

C:\Users\DELL\Desktop\dockernew>docker run --name mydb --network mynet -e MYSQL_ROOT_PASSWORD=1234 -e MYSQL_DATABASE=mydb -e MYSQL_USER=root -d mysql:5.7
c003a28b62c6639331cfd271afea0cd5f4aad42af392a9f73a8bdbcbf8d43c8

C:\Users\DELL\Desktop\dockernew>docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
6aa6aa98e381	mysql:5.7	"docker-entrypoint.s..."	3 hours ago	Up 3 hours	3306/tcp, 33060/tcp	mysqlnew

C:\Users\DELL\Desktop\dockernew>docker exec -it 6aa6aa98e381 bash
bash-4.2# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.42 MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| db |
| mysql |
| perfoshow databases |

Type here to search



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EXPLORER

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.vscode

src

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java

com

controller

empcontroller

model

repository

resources

static

templates

application.properties

test

target

.gitignore

dockerfile

HELP.md

mvnw

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JAVA PROJECTS

empcontroller x empmodel emprepo application.properties dockerfile

demo > src > main > java > controller > empcontroller

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Output (Ctrl+Shift+U)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Users\DELL\Desktop\fianal> cd demo
PS C:\Users\DELL\Desktop\fianal\demo> mvn clean install
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:demo >-----
[INFO] Building demo 0.0.1-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[jar]-----
[INFO] --- clean:3.2.0:clean (default-clean) @ demo ---
[INFO] Deleting C:\Users\DELL\Desktop\fianal\demo\target
[INFO] --- resources:3.2.0:resources (default-resources) @ demo ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] Copying 1 resource
[INFO] Copying 0 resource
[INFO] --- compiler:3.10.1:compile (default-compile) @ demo ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\Users\DELL\Desktop\fianal\demo\target\classes

Ln 47, Col 1 Spaces: 4 UTF-8 CRLF {} Java Go Live

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FileEditSelectionViewGoRun...<=>fianal

EXPLORER...empcontroller xempmodelemprepoapplication.propertiesdockerfile

FIANAL

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employeeRepository.delete(employee);

Map<String, Boolean> response = new HashMap<>();

response.put("deleted", Boolean.TRUE);

return response;

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

[INFO] Total time: 20.762 s

[INFO] Finished at: 2023-04-25T12:19:52+05:30

[INFO] -----

PS C:\Users\DELL\Desktop\fianal\demo> docker images

REPOSITORYTAGIMAGE IDCREATEDSIZE

springbootmysqllatest90b4451f13c3About an hour ago544MB

mysql5.7dd6675b5cfea7 days ago569MB

hello-worldlatestfeb5d9fea6a519 months ago13.3kB

PS C:\Users\DELL\Desktop\fianal\demo> docker run --springboot1 --name myspring -p 8080:8080 -d spring

See 'docker run --help'.

PS C:\Users\DELL\Desktop\fianal\demo> docker run --springboot --name myspring -p 8080:8080 -d spring

unknown flag: --springboot

See 'docker run --help'.

NETWORK IDNAMEDRIVERSCOPE

dd2abfa6e305bridgebridge local

6ab6c0bd3f19hosthost local

506a8c88b6a5mynetbridge local

72ffda01de62springbootbridge local

d2a4b29086e4springboot1bridge local

0bfc950ee8a7springbootnewbridge local

PS C:\Users\DELL\Desktop\fianal\demo> docker run --springboot1 --name myspring -p 8080:8080 -d spring

unknown flag: --springboot1

Ln 47, Col 1Spaces: 4UTF-8CRLF{}JavaGo Live

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empcontroller

```
demo > src > main > java > controller > empcontroller
1  @RestController
2  public class EmployeeController {
3      @Autowired
4      private EmployeeRepository employeeRepository;
5
6      @GetMapping("/employees")
7      public List<Employee> getEmployees() {
8          return employeeRepository.findAll();
9      }
10
11     @GetMapping("/employees/{id}")
12     public ResponseEntity<Employee> getEmployeeById(@PathVariable(value = "id") Long employeeId)
13         throws ResourceNotFoundException {
14         Employee employee = employeeRepository.findById(employeeId)
15             .orElseThrow(() -> new ResourceNotFoundException("Employee not found for this id :: " + employeeId));
16         return ResponseEntity.ok().body(employee);
17     }
18
19     @PostMapping("/employees")
20     public Employee createEmployee(@Valid @RequestBody Employee employee) {
21         return employeeRepository.save(employee);
22     }
23
24     @PutMapping("/employees/{id}")
25     public ResponseEntity<Employee> updateEmployee(@PathVariable(value = "id") Long employeeId,
26         @Valid @RequestBody Employee employeeDetails) throws ResourceNotFoundException {
27         Employee employee = employeeRepository.findById(employeeId)
28             .orElseThrow(() -> new ResourceNotFoundException("Employee not found for this id :: " + employeeId));
29
30         employee.setName(employeeDetails.getName());
31         final Employee updatedEmployee = employeeRepository.save(employee);
32         return ResponseEntity.ok(updatedEmployee);
33     }
34 }
```

Ln 47, Col 1 Spaces: 4 UTF-8 CRLF {} Java Go Live

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empcontroller empmodel x emprepo application.properties dockerfile

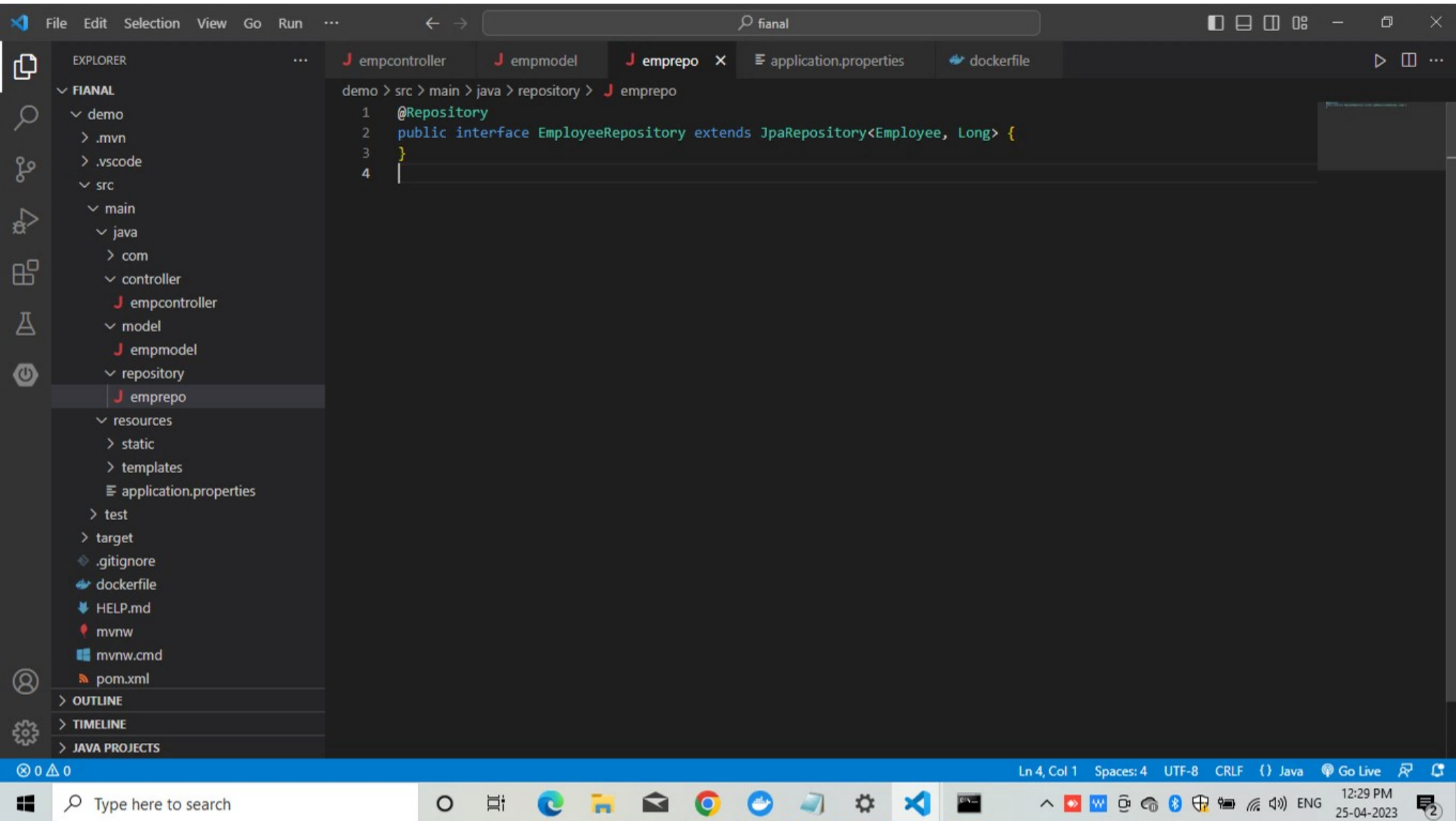
demo > src > main > java > model > empmodel

```
1 @Entity
2 public class Employee {
3     @Id
4     @GeneratedValue(strategy = GenerationType.IDENTITY)
5     private Long id;
6
7     private String name;
8
9     public Employee() {}
10
11    public Employee(String name) {
12        this.name = name;
13    }
14
15    public Long getId() {
16        return id;
17    }
18
19    public void setId(Long id) {
20        this.id = id;
21    }
22
23    public String getName() {
24        return name;
25    }
26
27    public void setName(String name) {
28        this.name = name;
29    }
30 }
31
```

Ln 31, Col 1 Spaces: 4 UTF-8 CRLF {} Java Go Live

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empcontroller empmodel emprepo application.properties X dockerfile

demo > src > main > resources > application.properties

```
1
2 spring.datasource.url=jdbc:mysql://mysqlnew:3306/db
3 spring.datasource.username=sa
4 spring.datasource.password=1234
5
6
```

Ln 3, Col 30 Spaces: 4 UTF-8 LF Spring Boot Properties Go Live

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