

**Test Summary**

- No. of Sections: 2
- No. of Questions: 10
- Total Duration: 90 min

**Section 1 - MCQ**

**Section Summary**

- No. of Questions: 9
- Duration: 30 min

**Additional Instructions:**

None

Q1. What is the Annotation used for Rest controller?

@RestController

@Controller

@RestController

@SpringBootApplication

Q2. How to use transient annotation?

is used to ignore a field to not persist in database in JPA.

is used to ignore a field to persist in database in JPA,

is used to ignore a object to not persist in database in JPA,

None of the above

Q3. Which of the annotation is not a Spring boot annotation?

@Controller

@Data

@Service

@RestController

Q4. Which of the following is used by Maven in Spring Boot?

pom.xml

config.xml

META-INF

None of the Above

Q5. \_\_\_\_\_request to the /users endpoint returns an array of users

GET

PUT

POST

DELETE

Q6. Which of the following can be used for Dependency management in spring boot?

Maven

Gradle

Both of the above

None of the above

Q7. Which starter dependency is used to develop web applications or Restful web services?

spring-boot-starter-data-jpa

spring-boot-starter-web

spring-boot-starter-rest

spring-boot-starter-web-dependency

Q8. What is the Minimum Java version need for Spring boot?

Java 10

Java 8

Java 9

Java 11

Q9. What is the Annotation used to handle GET request

- @GetMapping
- @PutMapping
- @PostMapping
- @GetMapping

Section 2 - Project

Section Summary

- No. of Questions: 1
- Duration: 60 min

Additional Instructions:

None

Q1. GET Battery Details with CRUD Operation

Overview:  
Get the battery details using CRUD operations.

- Functional Requirements:
- Build an application for getting battery details.
  - Have to create a folder named “Controllers” inside the springapp in src.
  - Inside the Controllers create a java file named “ApiController.java”.
  - Next have to create the same inside the springapp named as “Models”.
  - Inside Models, you should create the java file named “Battery.java”.
  - And create Repositories folder and inside that create "BatteryRepo.java"

Create 4 variables

- batteryId - int
- batteryName- string
- price - int
- size- int

- as well as create getters and setters and constructors for the corresponding variables.
- Finally, create the "Service" folder, and inside that create the "ApiService.java" file.
- The project structure looks like this image

Core Platform  
OpenJDK 11

API:  
**Question 1(16 Marks):**  
GET -("/{id}" --> List of Battery object  
GET - "/" --> List of Battery object  
POST - "/" --> true/false

**Question 2(16 Marks):**  
PUT -("/{id}" --> Battery object  
DELETE -("/{id}" --> true/false

Note:  
**Question1 and Question 2 Should be performed in the same Project Environment.**  
Copy and paste it into the application.properties file

spring.jpa.hibernate.ddl-auto=update

```
spring.datasource.url=jdbc:mysql://localhost/product?createDatabaseIfNotExist=true
spring.datasource.username=root
spring.datasource.password=examly
spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
spring.jpa.show-sql= true
spring.jpa.database-platform=org.hibernate.dialect.MySQL8Dialect
```

**API endpoint:**  
8080

**Platform Guidelines:**  
To run the command use **Terminal** in the platform.

**Spring Boot:**  
To start/run the application '**mvn spring-boot:run**'

Answer Key & Solution

Section 1 - MCQ

Q1 @RestController

Solution

No Solution

Q2 is used to ignore a field to not persist in database in JPA.

Solution

No Solution

Q3 @Data

Solution

No Solution

Q4 pom.xml

Solution

No Solution

Q5 GET

Solution

No Solution

Q6 Both of the above

Solution

No Solution

Q7 spring-boot-starter-web

Solution

No Solution

Q8 Java 8

Solution

No Solution

Q9

@GetMapping

Solution

No Solution

Section 2 - Project

Q1

Solution cannot be displayed