

## ACTIVITY PERTEMUAN 5

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**MATERI : Parking**

**MATA PRAKTIKUM : REKAYASA PERANGKAT LUNAK 2**

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New Java Application

**Steps**

1. Choose Project
2. **Name and Location**

**Name and Location**

Project Name:

Project Location:

Project Folder:

Artifact Id:

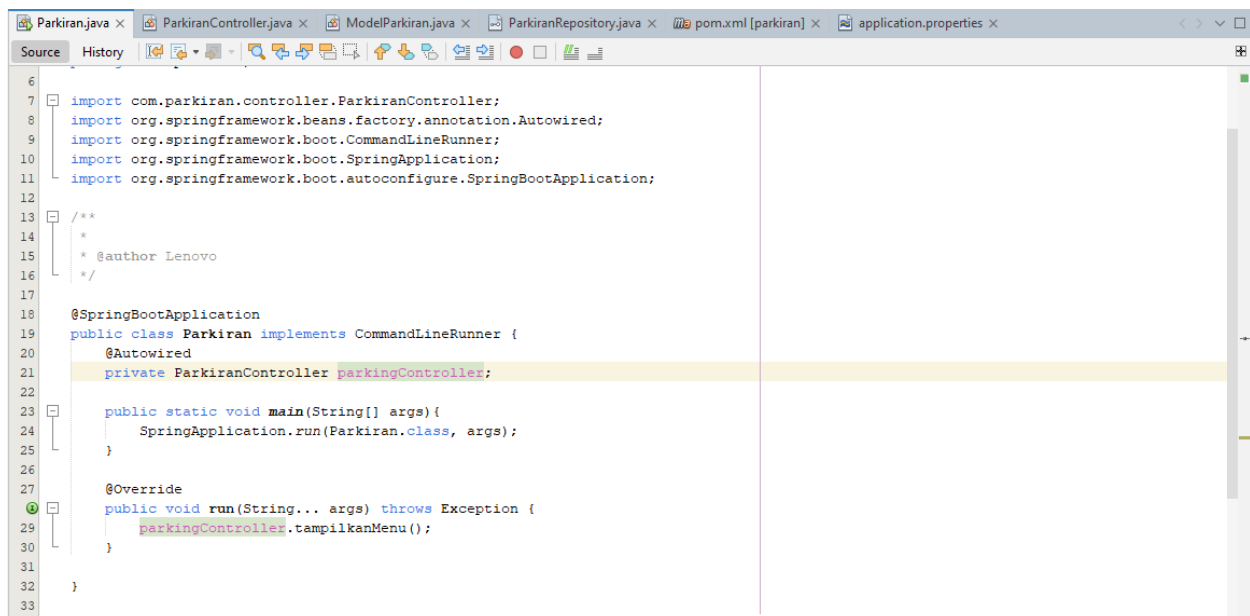
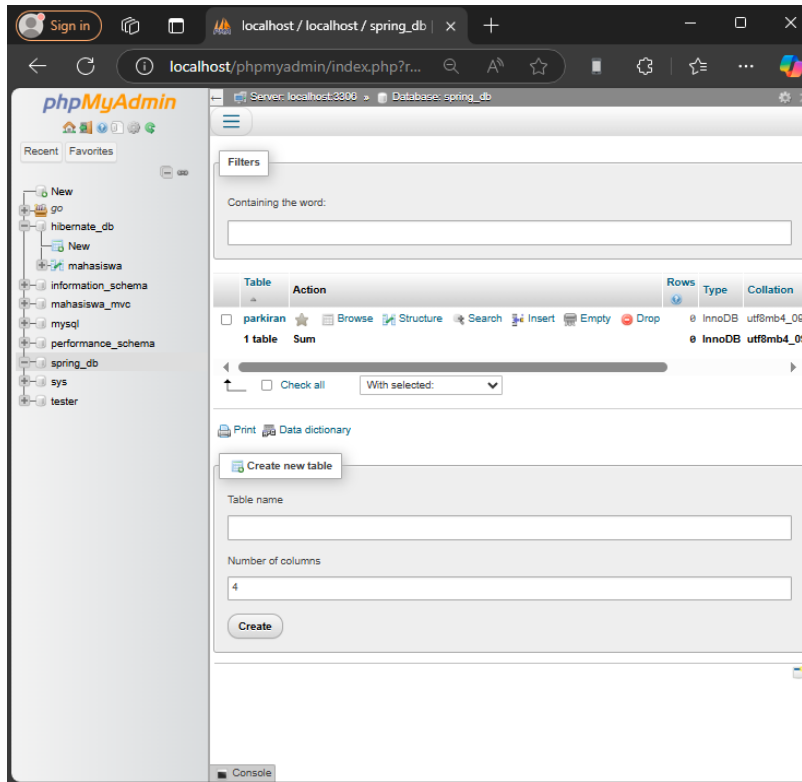
Group Id:

Version:

Package:  (Optional)

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## Database



```
Parkiran.java × ParkiranController.java × ModelParkiran.java × ParkiranRepository.java × pom.xml [parkiran] × application.properties ×
Source History
7 import com.parkiran.model.ModelParkiran;
8 import com.parkiran.repository.ParkiranRepository;
9 import java.time.Duration;
10 import java.time.LocalDateTime;
11 import java.util.Optional;
12 import java.util.Scanner;
13 import org.springframework.beans.factory.annotation.Autowired;
14 import org.springframework.stereotype.Controller;
15
16 /**
17  *
18  * @author Lenovo
19  */
20
21 @Controller
22 public class ParkiranController {
23
24     @Autowired
25     private ParkiranRepository parkiranRepository;
26
27     public void tampilanMenu() {
28         Scanner scanner = new Scanner(System.in);
29         int opsi;
30
31         do {
32             System.out.println("\n----- Menu Parkiran ----- ");
33             System.out.println("1. Masuk Parkiran");
34             System.out.println("2. Keluar Parkiran");
35         } while (opsi != 0);
36     }
37 }
```

```
Source History
13 */
14
15 @Entity
16 @Table(name = "parkiran")
17 public class ModelParkiran {
18     @Id
19     @GeneratedValue(strategy = GenerationType.IDENTITY)
20     @Column(name = "id")
21     private int id;
22
23     @Column(name = "plat_nomor", nullable = false, length = 8)
24     private String platNomor;
25
26     @Column(name = "waktu_masuk", nullable = false)
27     private LocalDateTime waktuMasuk;
28
29     @Column(name = "jenis_kendaraan", nullable = false)
30     private int jenisKendaraan;
31
32     public ModelParkiran() {
33     }
34
35     public ModelParkiran(String platNomor, LocalDateTime waktuMasuk, int jenisKendaraan) {
36         this.platNomor = platNomor;
37         this.waktuMasuk = waktuMasuk;
38         this.jenisKendaraan = jenisKendaraan;
39     }
40 }
```

Output - Run (Parkiran) ×

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```
Parkiran.java x ParkiranController.java x ModelParkiran.java x ParkiranRepository.java x pom.xml [parkiran] x application.properties x
Source History
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4  */
5  package com.parkiran.repository;
6
7  import com.parkiran.model.ModelParkiran;
8  import java.util.Optional;
9  import org.springframework.data.jpa.repository.JpaRepository;
10 import org.springframework.stereotype.Repository;
11
12 /**
13 *
14 * @author Lenovo
15 */
16
17 @Repository
18 public interface ParkiranRepository extends JpaRepository<ModelParkiran, Long>{
19     public Optional<ModelParkiran> findByPlatNomor(String platNomor);
20 }
21
```

```
Parkiran.java x ParkiranController.java x ModelParkiran.java x ParkiranRepository.java x pom.xml [parkiran] x application.properties x
Source Graph Effective History
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://ma
3 <modelVersion>4.0.0</modelVersion>
4 <groupId>com.parkiran</groupId>
5 <artifactId>parkiran</artifactId>
6 <version>1.0-SNAPSHOT</version>
7 <packaging>jar</packaging>
8 <properties>
9     <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
10    <maven.compiler.release>23</maven.compiler.release>
11    <exec.mainClass>com.parkiran.Parkiran</exec.mainClass>
12 </properties>
13
14 <parent>
15     <groupId>org.springframework.boot</groupId>
16     <artifactId>spring-boot-starter-parent</artifactId>
17     <version>3.3.3</version>
18     <relativePath/>
19 </parent>
20
21 <dependencies>
22     <!-- Hibernate + Spring Data JPA -->
23     <dependency>
24         <groupId>org.springframework.boot</groupId>
25         <artifactId>spring-boot-starter-data-jpa</artifactId>
26     </dependency>
27
28     <!-- MySQL Connector -->

```

Output - Run (Parkiran) x

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```
Source History
1 # Konfigurasi MySQL Hibernate
2 spring.datasource.url=jdbc:mysql://localhost:3306/spring_db?useSSL=false&serverTimezone=UTC
3 spring.datasource.username=root
4 spring.datasource.password=
5 spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
6
7 server.port = 8082
8 # Hibernate settings
9 spring.jpa.hibernate.ddl-auto=update
10 spring.jpa.show-sql=true
```

```
...va | ParkiranController.java | ModelParkiran.java | Output - Run (Parkiran) | ParkiranRepository.java | pom.xml [parkiran] | application.properties
org.springframework.beans.factory.UnsatisfiedDependencyException: Error creating bean with name 'parkiran': Unsatisfied dependency expressed through field 'i
    at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredFieldElement.resolveFieldValue(AutowiredAnnotationBean)
    at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredFieldElement.inject(AutowiredAnnotationBeanPostProcess
    at org.springframework.beans.factory.annotation.InjectionMetadata.inject(InjectionMetadata.java:145) ~[spring-beans-6.1.12.jar:6.1.12]
    at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessProperties(AutowiredAnnotationBeanPostProcessor.java
    at org.springframework.beans.factory.support.AbstractAutowiredCapableBeanFactory.populateBean(AbstractAutowiredCapableBeanFactory.java:1439) ~[spring-b
    at org.springframework.beans.factory.support.AbstractAutowiredCapableBeanFactory.doCreateBean(AbstractAutowiredCapableBeanFactory.java:599) ~[spring-be
    at org.springframework.beans.factory.support.AbstractAutowiredCapableBeanFactory.createBean(AbstractAutowiredCapableBeanFactory.java:522) ~[spring-bea
    at org.springframework.beans.factory.support.AbstractBeanFactory.lambda$doGetBean$0(AbstractBeanFactory.java:337) ~[spring-beans-6.1.12.jar:6.1.12]
    at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:234) ~[spring-beans-6.1.12.
    at org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:335) ~[spring-beans-6.1.12.jar:6.1.12]
    at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:200) ~[spring-beans-6.1.12.jar:6.1.12]
    at org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFactory.java:975) ~[spring-beans-
    at org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext.java:971) ~[spring-conte
    at org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:625) ~[spring-context-6.1.12.jar:6.1.12]
    at org.springframework.boot.web.servlet.context.ServletWebServerApplicationContext.refresh(ServletWebServerApplicationContext.java:146) ~[spring-boot
    at org.springframework.boot.SpringApplication.refresh(SpringApplication.java:754) ~[spring-boot-3.3.3.jar:3.3.3]
    at org.springframework.boot.SpringApplication.refreshContext(SpringApplication.java:456) ~[spring-boot-3.3.3.jar:3.3.3]
    at org.springframework.boot.SpringApplication.run(SpringApplication.java:335) ~[spring-boot-3.3.3.jar:3.3.3]
    at org.springframework.boot.SpringApplication.run(SpringApplication.java:1363) ~[spring-boot-3.3.3.jar:3.3.3]
    at org.springframework.boot.SpringApplication.run(SpringApplication.java:1352) ~[spring-boot-3.3.3.jar:3.3.3]
    at com.parkiran.Parkiran.main(Parkiran.java:24) ~[classes/:na]
Caused by: org.springframework.beans.factory.UnsatisfiedDependencyException: Error creating bean with name 'parkiranController': Unsatisfied dependency expre
    at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredFieldElement.resolveFieldValue(AutowiredAnnotationBean)
    at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredFieldElement.inject(AutowiredAnnotationBeanPostProcess
    at org.springframework.beans.factory.annotation.InjectionMetadata.inject(InjectionMetadata.java:145) ~[spring-beans-6.1.12.jar:6.1.12]
    at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessProperties(AutowiredAnnotationBeanPostProcessor.java
    at org.springframework.beans.factory.support.AbstractAutowiredCapableBeanFactory.populateBean(AbstractAutowiredCapableBeanFactory.java:1439) ~[spring-b
    at org.springframework.beans.factory.support.AbstractAutowiredCapableBeanFactory.doCreateBean(AbstractAutowiredCapableBeanFactory.java:599) ~[spring-be
    at org.springframework.beans.factory.support.AbstractAutowiredCapableBeanFactory.createBean(AbstractAutowiredCapableBeanFactory.java:522) ~[spring-bea
    at org.springframework.beans.factory.support.AbstractBeanFactory.lambda$doGetBean$0(AbstractBeanFactory.java:337) ~[spring-beans-6.1.12.jar:6.1.12]
    at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:234) ~[spring-beans-6.1.12.
    at org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:335) ~[spring-beans-6.1.12.jar:6.1.12]
    at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:200) ~[spring-beans-6.1.12.jar:6.1.12]
    at org.springframework.beans.factory.config.DependencyDescriptor.resolveCandidate(DependencyDescriptor.java:254) ~[spring-beans-6.1.12.jar:6.1.12]
    at org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.java:1443) ~[spring-beans-6.1
    at org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java:1413) ~[spring-beans-6.1
```

```
...va  ParkiranController.java x  ModelParkiran.java x  Output - Run (Parkiran) x  ParkiranRepository.java x  pom.xml [parkiran] x  application.properties x
at org.springframework.data.repository.query.parser.PartTree.<init>(PartTree.java:100) ~[spring-data-commons-3.3.3.jar:3.3.3]
at org.springframework.data.jpa.repository.query.PartTreeJpaQuery.<init>(PartTreeJpaQuery.java:101) ~[spring-data-jpa-3.3.3.jar:3.3.3]
... 60 common frames omitted
Command execution failed.
org.apache.commons.exec.ExecuteException: Process exited with an error: 1 (Exit value: 1)
at org.apache.commons.exec.DefaultExecutor.executeInternal (DefaultExecutor.java:404)
at org.apache.commons.exec.DefaultExecutor.execute (DefaultExecutor.java:166)
at org.codehaus.mojo.exec.ExecMojo.executeCommandLine (ExecMojo.java:1000)
at org.codehaus.mojo.exec.ExecMojo.executeCommandLine (ExecMojo.java:947)
at org.codehaus.mojo.exec.ExecMojo.execute (ExecMojo.java:471)
at org.apache.maven.plugin.DefaultBuildPluginManager.executeMojo (DefaultBuildPluginManager.java:126)
at org.apache.maven.lifecycle.internal.MojoExecutor.doExecute2 (MojoExecutor.java:320)
at org.apache.maven.lifecycle.internal.MojoExecutor.doExecute (MojoExecutor.java:316)
at org.apache.maven.lifecycle.internal.MojoExecutor.execute (MojoExecutor.java:212)
at org.apache.maven.lifecycle.internal.MojoExecutor.execute (MojoExecutor.java:174)
at org.apache.maven.lifecycle.internal.MojoExecutor.access$000 (MojoExecutor.java:75)
at org.apache.maven.lifecycle.internal.MojoExecutor$1.run (MojoExecutor.java:162)
at org.apache.maven.plugin.DefaultMojoExecutionStrategy.execute (DefaultMojoExecutionStrategy.java:39)
at org.apache.maven.lifecycle.internal.MojoExecutor.execute (MojoExecutor.java:159)
at org.apache.maven.lifecycle.internal.LifecycleModuleBuilder.buildProject (LifecycleModuleBuilder.java:105)
at org.apache.maven.lifecycle.internal.LifecycleModuleBuilder.buildProject (LifecycleModuleBuilder.java:73)
at org.apache.maven.lifecycle.internal.builder.singlethreaded.SingleThreadedBuilder.build (SingleThreadedBuilder.java:53)
at org.apache.maven.lifecycle.internal.LifecycleStarter.execute (LifecycleStarter.java:118)
at org.apache.maven.DefaultMaven.doExecute (DefaultMaven.java:261)
at org.apache.maven.DefaultMaven.doExecute (DefaultMaven.java:173)
at org.apache.maven.DefaultMaven.execute (DefaultMaven.java:101)
at org.apache.maven.cli.MavenCli.execute (MavenCli.java:906)
at org.apache.maven.cli.MavenCli.doMain (MavenCli.java:283)
at org.apache.maven.cli.MavenCli.main (MavenCli.java:206)
at jdk.internal.reflect.DirectMethodHandleAccessor.invoke (DirectMethodHandleAccessor.java:103)
at java.lang.reflect.Method.invoke (Method.java:580)
at org.codehaus.plexus.classworlds.launcher.Launcher.launchEnhanced (Launcher.java:255)
at org.codehaus.plexus.classworlds.launcher.Launcher.launch (Launcher.java:201)
at org.codehaus.plexus.classworlds.launcher.Launcher.mainWithExitCode (Launcher.java:361)
at org.codehaus.plexus.classworlds.launcher.Launcher.main (Launcher.java:314)
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```

-----  
**BUILD FAILURE**  
-----

Total time: 12.140 s  
Finished at: 2024-11-15T15:47:08+07:00  
-----

Failed to execute goal org.codehaus.mojo:exec-maven-plugin:3.1.0:exec (default-cli) on project parkiran: Command execution failed.: Process exited with an e

To see the full stack trace of the errors, re-run Maven with the `-e` switch.  
Re-run Maven using the `-X` switch to enable full debug logging.

For more information about the errors and possible solutions, please read the following articles:  
[Help 1] <http://wiki.apache.org/confluence/display/MAVEN/MojoExecutionException>

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