spring init --dependencies=web,data-jpa,data-jdbc,mysql spring-boot-starter

create a nextech directory inside the com directory and a springjdbc directory inside the nexttech folder

customerservice.java

package com.nexttech.springJDBC;  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.jdbc.core.JdbcTemplate;  
import org.springframework.stereotype.Service;  
@Service  
public class CustomerService {  
 private final JdbcTemplate jdbcTemplate;  
 @Autowired  
 public CustomerService(JdbcTemplate jdbcTemplate){  
     this.jdbcTemplate = jdbcTemplate;  
 }  
 public String checkDatabaseConnectivity() {  
     try {  
         jdbcTemplate.execute("SHOW TABLES");  
         return "JDBC connection established successfully.";  
     } catch (Exception e){  
         return "Failed to establish JDBC connection.";  
     }  
 }  
}

MainController.java

package com.nexttech.springJDBC;  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.http.ResponseEntity;  
import org.springframework.web.bind.annotation.GetMapping;  
import org.springframework.web.bind.annotation.RequestMapping;  
import org.springframework.web.bind.annotation.RestController;  
@RestController  
@RequestMapping(path="/")  
public class MainController {  
private final CustomerService customerService;  
@Autowired  
public MainController(CustomerService customerService){  
    this.customerService = customerService;  
}  
@GetMapping(path="/testConnectivity")  
public ResponseEntity<String> testConnectivity() {  
    return ResponseEntity.ok(customerService.checkDatabaseConnectivity());  
}  
}

spring.jpa.hibernate.ddl-auto=update

spring.datasource.url=jdbc:mysql://localhost:3306/nexttech

spring.datasource.username=project

spring.datasource.password=project@111

spring.datasource.driver-class-name=com.mysql.jdbc.Driver

spring.jpa.show-sql=true

spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL5Dialect

CREATE USER 'project'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'project@111';

GRANT ALL PRIVILEGES on \*.\* to 'project'@'localhost';