**CODE:**

package com.example.demo.controller;

import com.example.demo.model.User;

import com.example.demo.service.UserService;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.http.ResponseEntity;

import org.springframework.web.bind.annotation.\*;

@RestController

@RequestMapping("/users")

public class UserController {

@Autowired

private UserService userService;

@PostMapping

public ResponseEntity<User> createUser(@RequestBody User user) {

return ResponseEntity.ok(userService.saveUser(user));

}

}

package com.example.demo.model;

import jakarta.persistence.Entity;

import jakarta.persistence.Id;

import jakarta.persistence.Table;

@Entity

@Table(name = "users") // ✅ Table renamed from 'user' to 'users'

public class User {

@Id

private Long id;

private String name;

public User() {}

public Long getId() { return id; }

public void setId(Long id) { this.id = id; }

public String getName() { return name; }

public void setName(String name) { this.name = name; }

}

package com.example.demo.repository;

import com.example.demo.model.User;

import org.springframework.data.jpa.repository.JpaRepository;

public interface UserRepository extends JpaRepository<User, Long> {

}

package com.example.demo.service;

import com.example.demo.model.User;

import com.example.demo.repository.UserRepository;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

@Service

public class UserService {

@Autowired

private UserRepository userRepository;

public User saveUser(User user) {

return userRepository.save(user);

}

}

package com.example.demo;

import com.example.demo.model.User;

import com.fasterxml.jackson.databind.ObjectMapper;

import org.junit.jupiter.api.Test;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.boot.test.autoconfigure.web.servlet.AutoConfigureMockMvc;

import org.springframework.boot.test.context.SpringBootTest;

import org.springframework.http.MediaType;

import org.springframework.test.web.servlet.MockMvc;

import static org.springframework.test.web.servlet.request.MockMvcRequestBuilders.post;

import static org.springframework.test.web.servlet.result.MockMvcResultMatchers.\*;

@SpringBootTest

@AutoConfigureMockMvc

public class UserControllerTest {

@Autowired

private MockMvc mockMvc;

@Autowired

private ObjectMapper objectMapper;

@Test

public void testCreateUser() throws Exception {

User user = new User();

user.setId(1L);

user.setName("Sabarna");

mockMvc.perform(post("/users")

.contentType(MediaType.APPLICATION\_JSON)

.content(objectMapper.writeValueAsString(user)))

.andExpect(status().isOk())

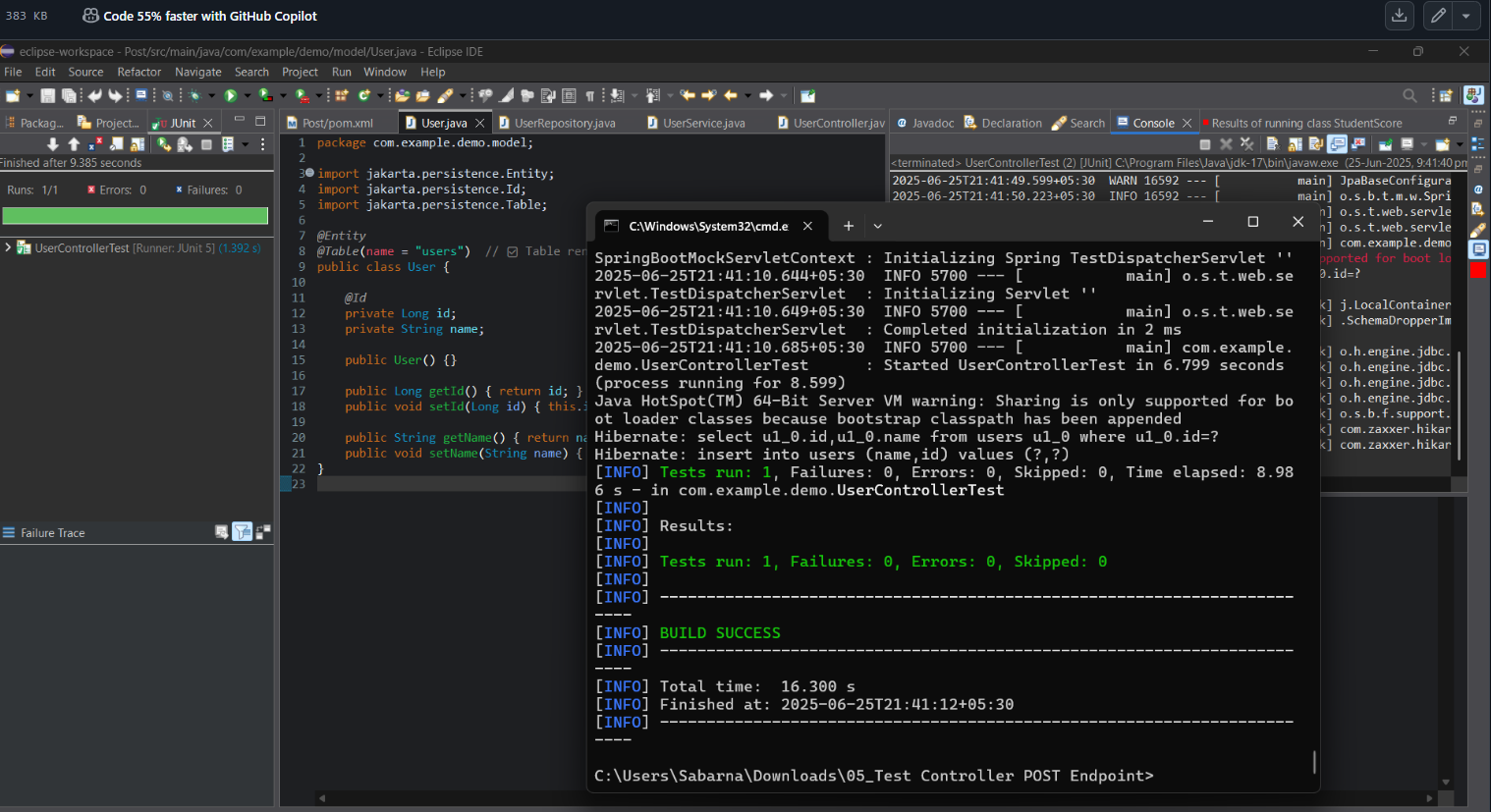
.andExpect(jsonPath("$.id").value(1))

.andExpect(jsonPath("$.name").value("Sabarna"));

}

}

**OUTPUT:**

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