**SpringBoot – Handle Reset Password and Token Generation**

**Account.java – Add below code**

//Adding 2 columns - Account Table to database - Token Generation - UUID

//URL : https://www.uuidgenerator.net/

private String password\_reset\_token;

private LocalDateTime password\_reset\_token\_expiry;

**Account Controller – Add these 2 lines like to below code**

@PostMapping("/reset-password")

    public String reset\_password(@RequestParam("email") String \_email, RedirectAttributes attributes, Model model) {

        Optional<Account> optional\_account = accountService.findOneByEmail(\_email);

        if (optional\_account.isPresent()) {

            Account account = accountService.findById(optional\_account.get().getId()).get();

            //UUID Token Generation

            String reset\_token = UUID.randomUUID().toString();

            account.setPassword\_reset\_token(reset\_token);

            account.setPassword\_reset\_token\_expiry(LocalDateTime.now().plusMinutes(password\_token\_timeout));

            accountService.save(account);

            attributes.addFlashAttribute("message", "Password reset email sent");

            return "redirect:/login";

        } else {

            attributes.addFlashAttribute("error", "No user found with the email supplied");

            return "redirect:/forgot-password";

        }

    }

**Code 2**

@Value("${password.token.reset.timeout.minutes}")

private int password\_token\_timeout;

**In application.properties -> add below code**

# Application settings - Handle reset password and token generation

password.token.reset.timeout.minutes=600

**Add these 2 lines for the flash message in front end**

**forgot-password.html**

<!--Error Message-->

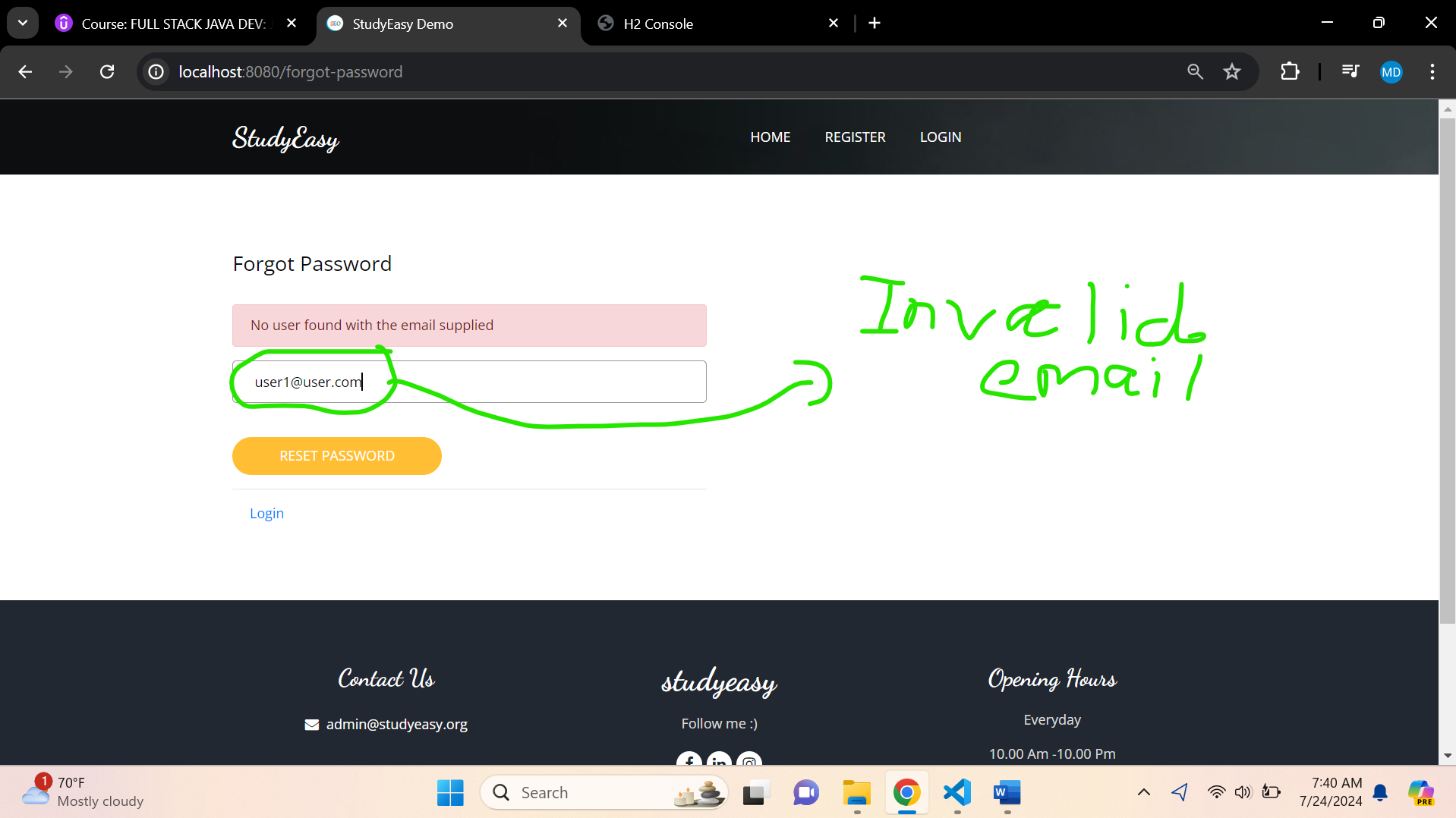
<p th:text="${error}" th:if="${error ne null}" class="alert alert-danger"></p>

<!—Success Message-->

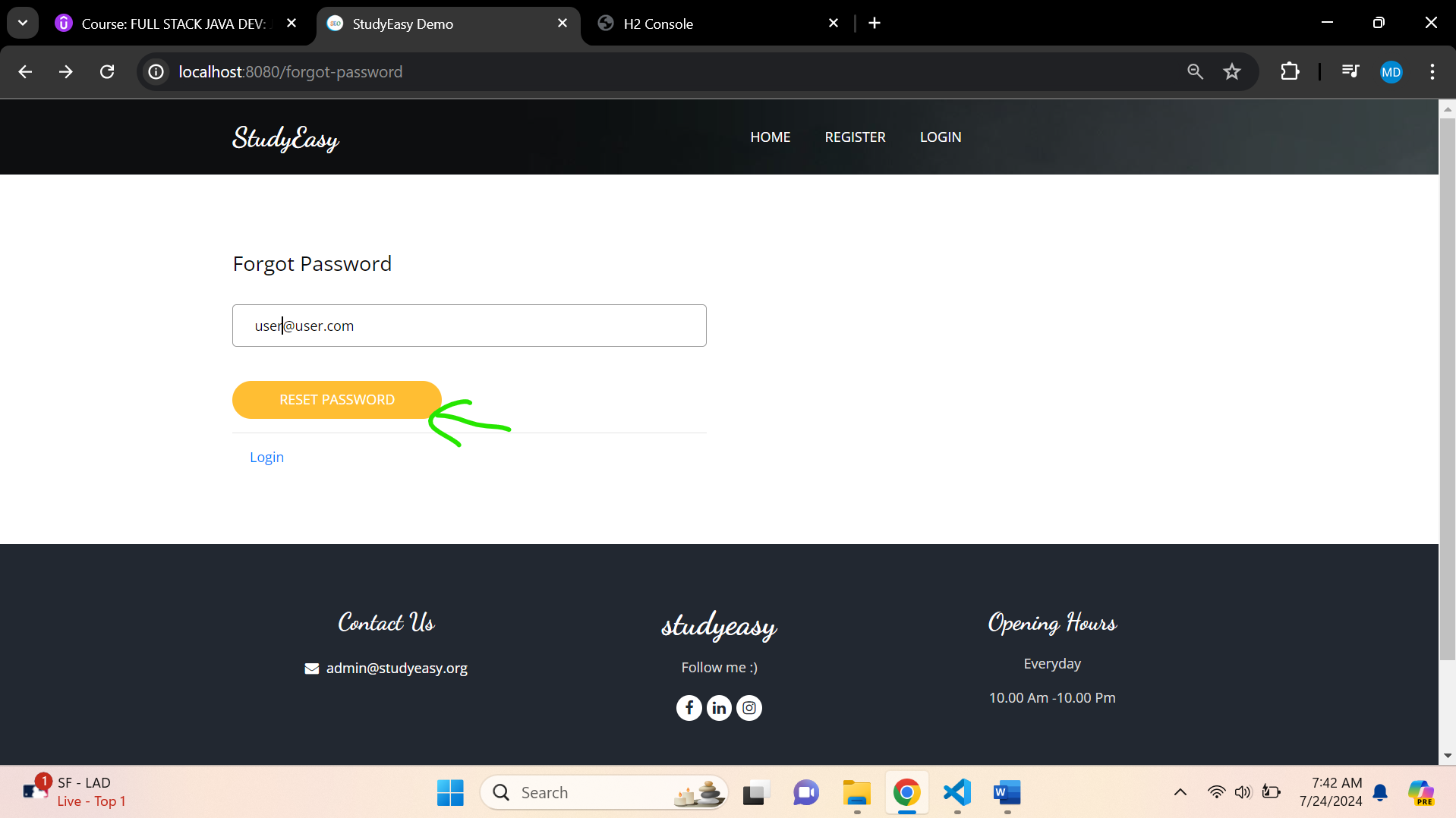
<p th:text="${message}" th:if="${message ne null}" class="alert alert-primary"></p>

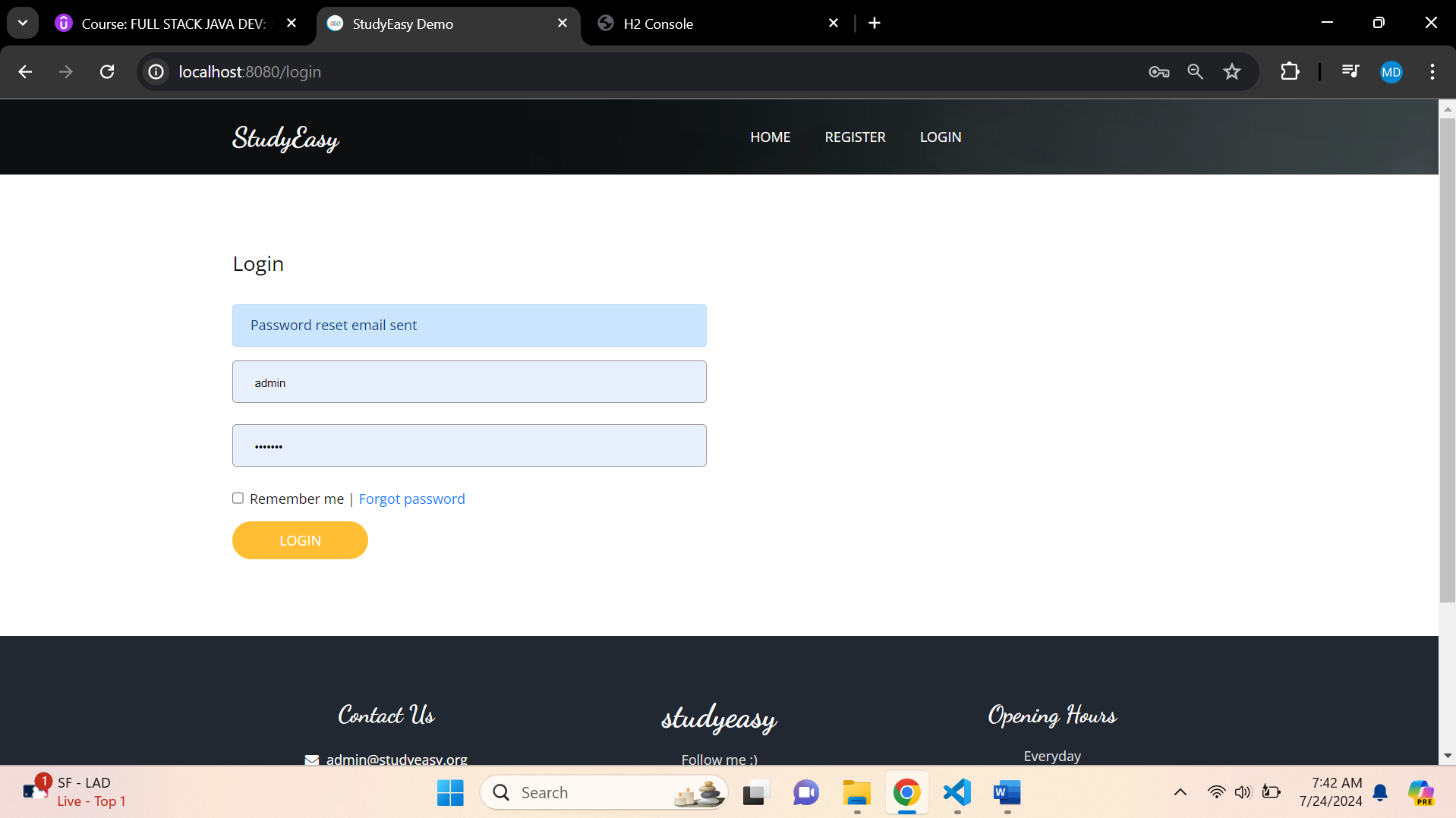
**Output**

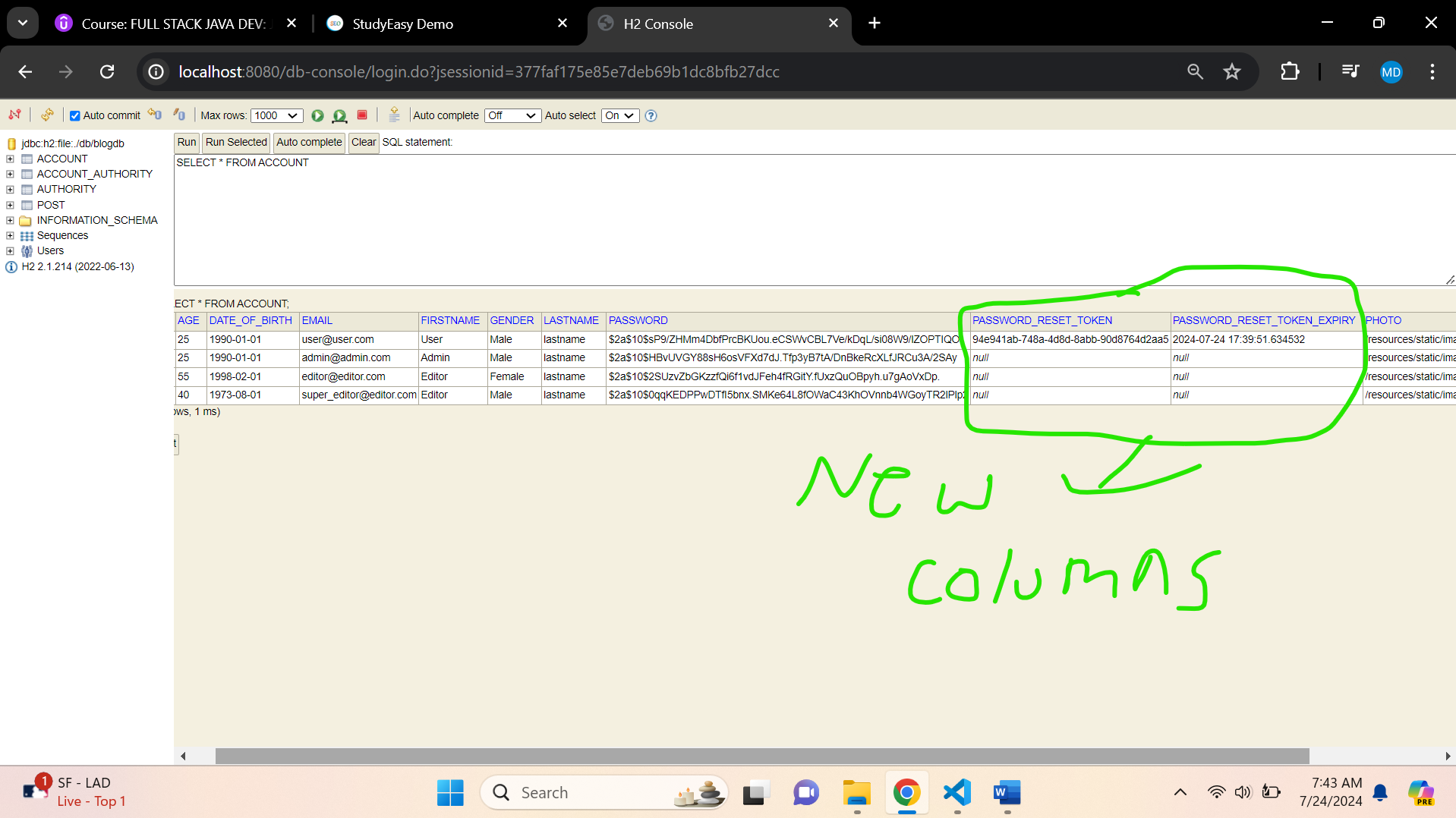
**Case 1: Invalid email – After button click, it will go to forgot password page**

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**Case 2: Valid email – After button click, it will go to login page**

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