

Assignment -2

IBM CLOUD DB2

Assignment Date	26 OCTOBER 2022
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Maximum Marks	2 Marks

Questions:

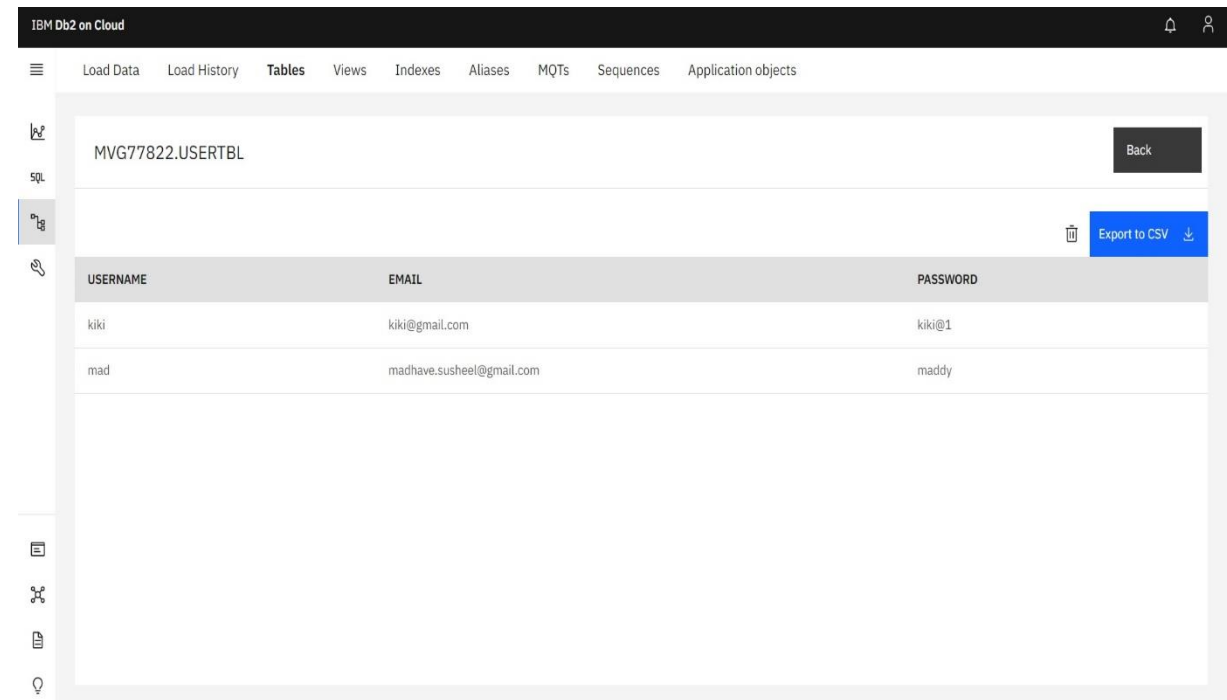
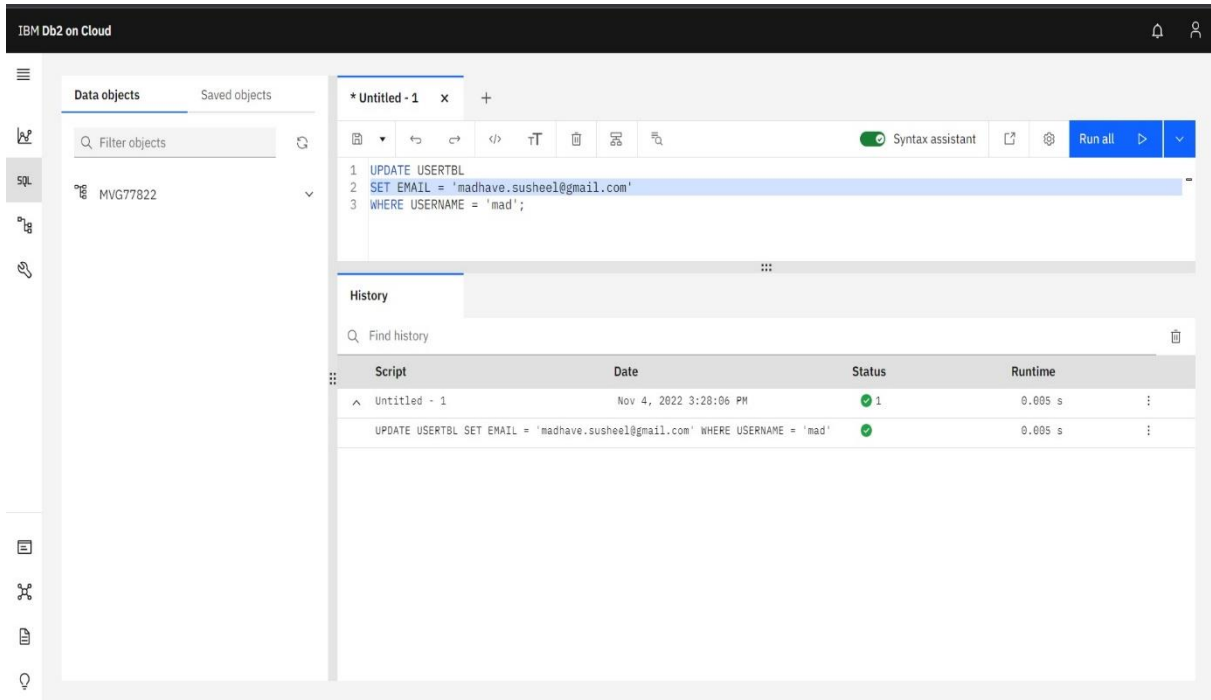
1. Create User table with user with email, username, password.

The image shows two screenshots of the IBM Db2 on Cloud web interface. The top screenshot displays the 'Tables' tab for the 'MVG77822' schema, showing a table named 'USERTBL'. The 'Table definition' pane on the right shows the table structure with columns: USERNAME (CHAR, 244, Y, 0), EMAIL (CHAR, 244, Y, 0), and PASSWORD (CHAR, 244, Y, 0). The bottom screenshot shows the 'View data' page for 'MVG77822.USERTBL', displaying three rows of data:

USERNAME	EMAIL	PASSWORD
Admin	admin@gmail.com	Admin
kiki	kiki@gmail.com	kiki@1
mad	mad@gmail.com	maddy

2. Perform UPDATE, DELETE Queries with user table.

UPDATE TABLE:



DELETE TABLE:

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

MVG77822.USER_TBL

Back

Export to CSV

USERNAME	EMAIL	PASSWORD
kiki	kiki@gmail.com	kiki@1
mad	mad@gmail.com	maddy

3. Connect python code to db2.

NOTE:- Question 4 contains Question 3 answer

4. Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page

Answers

Connect.py

```
dsn_hostname = "8e359033-a1c9-4643-82ef-
8ac06f5107eb.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"
dsn_uid = "mvg77822"
dsn_pwd = "X0k7hJ5iGB6Dzgtx"
dsn_driver = "{IBM DB2 ODBC DRIVER}"
dsn_database = "BLUDB"
dsn_port = "30120"
dsn_security = "SSL"
dsn = ("DRIVER={0};"
"DATABASE={1};"
"HOSTNAME={2};"
"PORT={3};"
"UID={4};"
"PWD={5};"
"SECURITY={6};").format(dsn_driver,dsn_database,dsn_hostname,dsn_port,dsn_uid,dsn_pwd,dsn_security)
print(dsn)
try:
    conn = ibm_db.pconnect(dsn,"","")
    print("success")
except:
    print(ibm_db.conn_errormsg())
```

App.py

```

@app.route("/", methods=['GET', 'POST'])
def register():
    if request.method == 'POST':
        sql_stmt = "insert into USERTBL values(?,?,?)"
        stmt = ibm_db.prepare(conn, sql_stmt)
        username = request.form['username']
        email = request.form['email']
        password = request.form['password']
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.bind_param(stmt, 2, email)
        ibm_db.bind_param(stmt, 3, password)
        try:
            ibm_db.execute(stmt)
            return redirect('/')
        except:
            print(ibm_db.stmt_errormsg())

    return render_template('index.html')

@app.route("/login", methods=['GET', 'POST'])
def loginpage():
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        query = "select COUNT(*) from usertbl where username='"+username+"' and
password='"+password+"'"
        stmt5 = ibm_db.exec_immediate(conn, query)
        row = ibm_db.fetch_tuple(stmt5)
        if(row[0] ==1 ):
            return redirect("/shop/")
    return render_template("index.html")

```

Index.html

```

<div class="wrapper">
    <div class="title-text">
        <div class="title login">
            Login Form
        </div>
        <div class="title signup">
            Signup Form
        </div>
    </div>
    <div class="form-container">
        <div class="slide-controls">
            <input type="radio" name="slide" id="login" checked>
            <input type="radio" name="slide" id="signup">
            <label for="login" class="slide login">Login</label>
            <label for="signup" class="slide signup">Signup</label>
            <div class="slider-tab"></div>
        </div>
    </div>

```

```

        <div class="form-inner">
            <form action="/login" method="post" class="login">
                <div class="field">
                    <input type="text" name="username" placeholder="Username"
required>
                </div>
                <div class="field">
                    <input type="password" name="password" placeholder="Password"
required>
                </div>
                <div class="pass-link">
                    <a href="#">Forgot password?</a>
                </div>
                <div class="field btn">
                    <div class="btn-layer"></div>
                    <input type="submit" value="Login">
                </div>
                <div class="signup-link">
                    Not a member? <a href="">Signup now</a>
                </div>
            </form>

            <form action="/" class="signup" method="post">
                <div class="field">
                    <input type="text" name="username" placeholder="Username"
required>
                </div>
                <div class="field">
                    <input type="text" name="email" placeholder="Email" required>
                </div>
                <div class="field">
                    <input type="password" name="password" placeholder="Password"
required>
                </div>
                <div class="field btn">
                    <div class="btn-layer"></div>
                    <input type="submit" value="Signup">
                </div>
            </form>

        </div>
    </div>
</div>
<script>
    const loginText = document.querySelector(".title-text .login");
    const loginForm = document.querySelector("form.login");

    const loginBtn = document.querySelector("label.login");
    const signupBtn = document.querySelector("label.signup");

```

```

const signupLink = document.querySelector("form .signup-link a");
signupBtn.onclick = (()=>{
  loginForm.style.marginLeft = "-50%";
  loginText.style.marginLeft = "-50%";
});
loginBtn.onclick = (()=>{
  loginForm.style.marginLeft = "0%";
  loginText.style.marginLeft = "0%";
});
signupLink.onclick = (()=>{
  signupBtn.click();
  return false;
});
</script>

```

Style.css

```

@import
url('https://fonts.googleapis.com/css?family=Poppins:400,500,600,700&display=swap');
*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: 'Poppins', sans-serif;
}
html,body{
  display: grid;
  height: 100%;
  width: 100%;
  place-items: center;
  background: -webkit-linear-gradient(left, #a445b2, #fa4299);
}
::selection{
  background: #fa4299;
  color: #fff;
}
.wrapper{
  overflow: hidden;
  max-width: 390px;
  background: #fff;
  padding: 30px;
  border-radius: 5px;
  box-shadow: 0px 15px 20px rgba(0,0,0,0.1);
}
.wrapper .title-text{
  display: flex;
  width: 200%;
}
.wrapper .title{
  width: 50%;
  font-size: 35px;

```


```
font-weight: 600;
text-align: center;
transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);
}
.wrapper .slide-controls{
  position: relative;
  display: flex;
  height: 50px;
  width: 100%;
  overflow: hidden;
  margin: 30px 0 10px 0;
  justify-content: space-between;
  border: 1px solid lightgrey;
  border-radius: 5px;
}
.slide-controls .slide{
  height: 100%;
  width: 100%;
  color: #fff;
  font-size: 18px;
  font-weight: 500;
  text-align: center;
  line-height: 48px;
  cursor: pointer;
  z-index: 1;
  transition: all 0.6s ease;
}
.slide-controls label.signup{
  color: #000;
}
.slide-controls .slider-tab{
  position: absolute;
  height: 100%;
  width: 50%;
  left: 0;
  z-index: 0;
  border-radius: 5px;
  background: -webkit-linear-gradient(left, #a445b2, #fa4299);
  transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);
}
input[type="radio"]{
  display: none;
}
#signup:checked ~ .slider-tab{
  left: 50%;
}
#signup:checked ~ label.signup{
  color: #fff;
  cursor: default;
  user-select: none;
}
#signup:checked ~ label.login{
```



```
    color: #000;
}
#login:checked ~ label.signup{
    color: #000;
}
#login:checked ~ label.login{
    cursor: default;
    user-select: none;
}
.wrapper .form-container{
    width: 100%;
    overflow: hidden;
}
.form-container .form-inner{
    display: flex;
    width: 200%;
}
.form-container .form-inner form{
    width: 50%;
    transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);
}
.form-inner form .field{
    height: 50px;
    width: 100%;
    margin-top: 20px;
}
.form-inner form .field input{
    height: 100%;
    width: 100%;
    outline: none;
    padding-left: 15px;
    border-radius: 5px;
    border: 1px solid lightgrey;
    border-bottom-width: 2px;
    font-size: 17px;
    transition: all 0.3s ease;
}
.form-inner form .field input:focus{
    border-color: #fc83bb;
    /* box-shadow: inset 0 0 3px #fb6aae; */
}
.form-inner form .field input::placeholder{
    color: #999;
    transition: all 0.3s ease;
}
form .field input:focus::placeholder{
    color: #b3b3b3;
}
.form-inner form .pass-link{
    margin-top: 5px;
}
.form-inner form .signup-link{
```

```
    text-align: center;
    margin-top: 30px;
}
.form-inner form .pass-link a,
.form-inner form .signup-link a{
    color: #fa4299;
    text-decoration: none;
}
.form-inner form .pass-link a:hover,
.form-inner form .signup-link a:hover{
    text-decoration: underline;
}
form .btn{
    height: 50px;
    width: 100%;
    border-radius: 5px;
    position: relative;
    overflow: hidden;
}
form .btn .btn-layer{
    height: 100%;
    width: 300%;
    position: absolute;
    left: -100%;
    background: -webkit-linear-gradient(right, #a445b2, #fa4299, #a445b2, #fa4299);
    border-radius: 5px;
    transition: all 0.4s ease;;
}
form .btn:hover .btn-layer{
    left: 0;
}
form .btn input[type="submit"]{
    height: 100%;
    width: 100%;
    z-index: 1;
    position: relative;
    background: none;
    border: none;
    color: #fff;
    padding-left: 0;
    border-radius: 5px;
    font-size: 20px;
    font-weight: 500;
    cursor: pointer;
}
```

Output page:



A centered white card titled "Signup Form" on a purple-to-pink gradient background. The card contains a "Login" button and a highlighted "Signup" button. Below these are input fields for "Name" (containing "Madhave Susheel"), "Email" (containing "madhave.susheel@gmail.com"), and "Password" (masked with dots). A final "Signup" button is at the bottom.

Signup Form

Login Signup

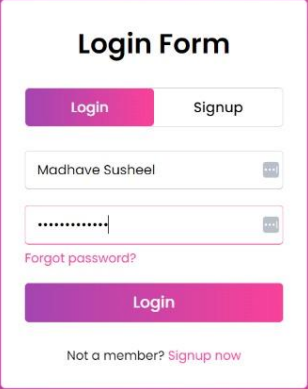
Madhave Susheel

madhave.susheel@gmail.com

.....

Signup

Login Page:



A centered white card titled "Login Form" on a purple-to-pink gradient background. The card contains a highlighted "Login" button and a "Signup" button. Below these are input fields for "Name" (containing "Madhave Susheel") and "Password" (masked with dots). A "Forgot password?" link is present. At the bottom is a "Login" button and a link "Not a member? Signup now".

Login Form

Login Signup

Madhave Susheel

.....

[Forgot password?](#)


Login

Not a member? [Signup now](#)

Welcome Page:


Sarah's Botique

Search for products




Red Dress
3333

[View Detail](#) [Add To Cart](#)



Blue Dress
4444

[View Detail](#) [Add To Cart](#)



Black Dress
5555

[View Detail](#) [Add To Cart](#)

Data Base Table

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

MVG77822.USERTBL

Back

Export to CSV

USERNAME	EMAIL	PASSWORD
Admin	admin@gmail.com	Admin
kiki	kiki@gmail.com	kiki@1
mad	mad@gmail.com	maddy