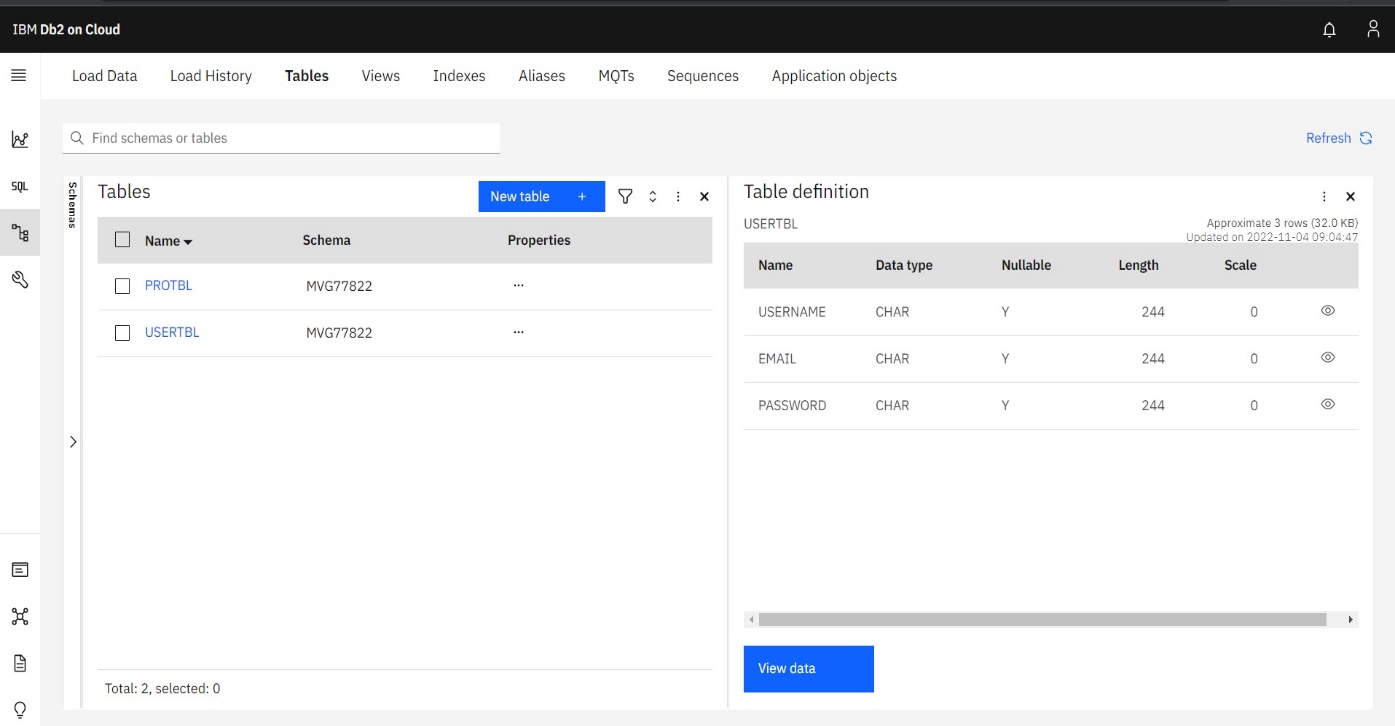
**Assignment -2**

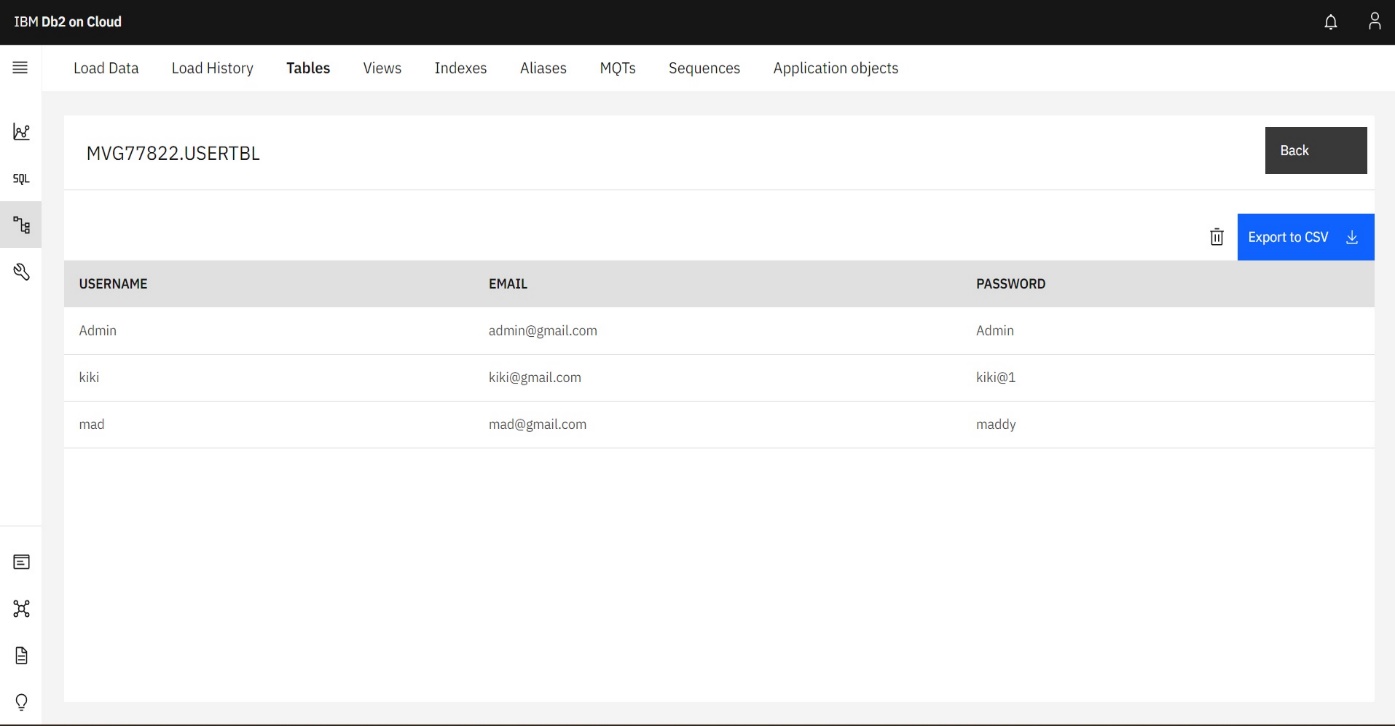
IBM CLOUD DB2

|  |  |
| --- | --- |
| Assignment Date | 26 OCTOBER 2022 |
| Student Name | PRAVEEN V |
| Student Roll Number | 713319CS109 |
| Maximum Marks | 2 Marks |

**Questions:**

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

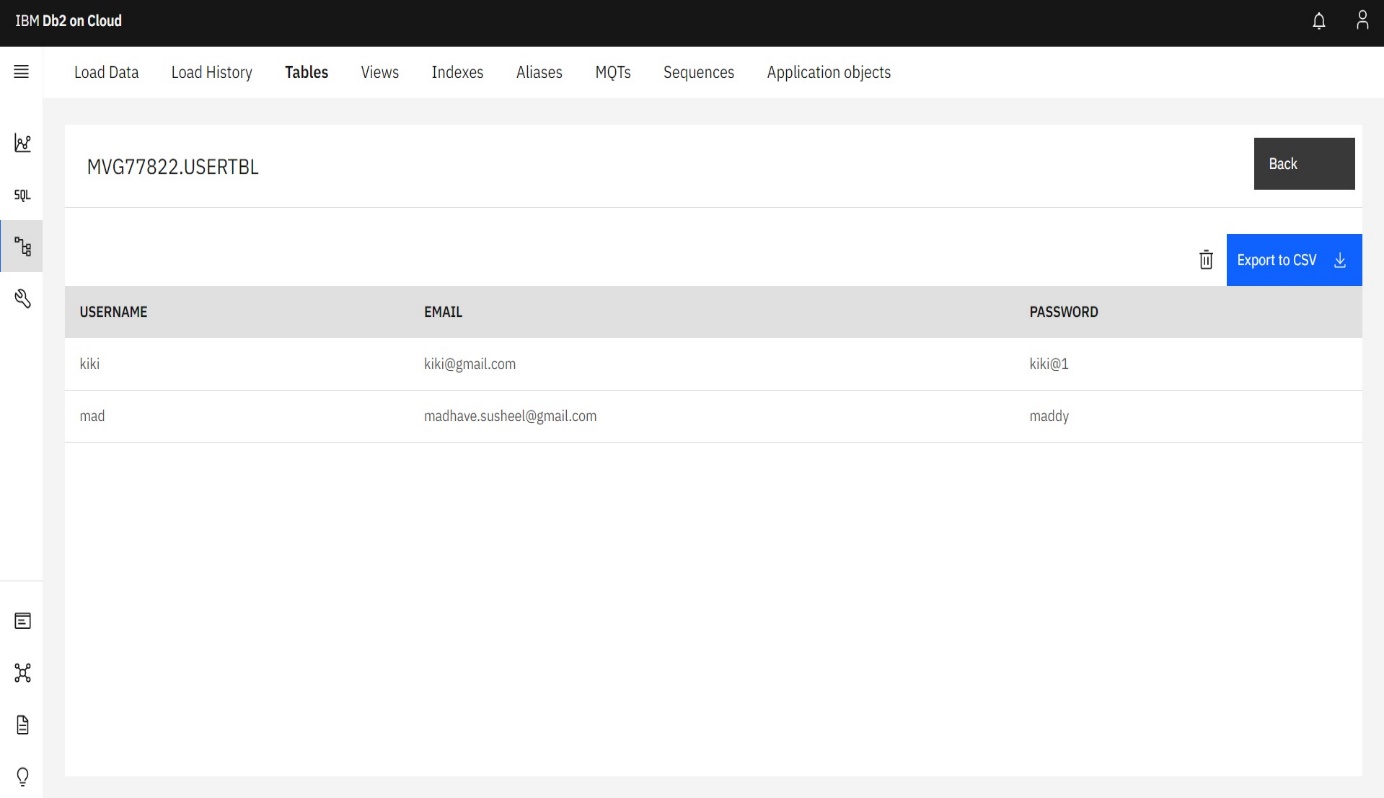




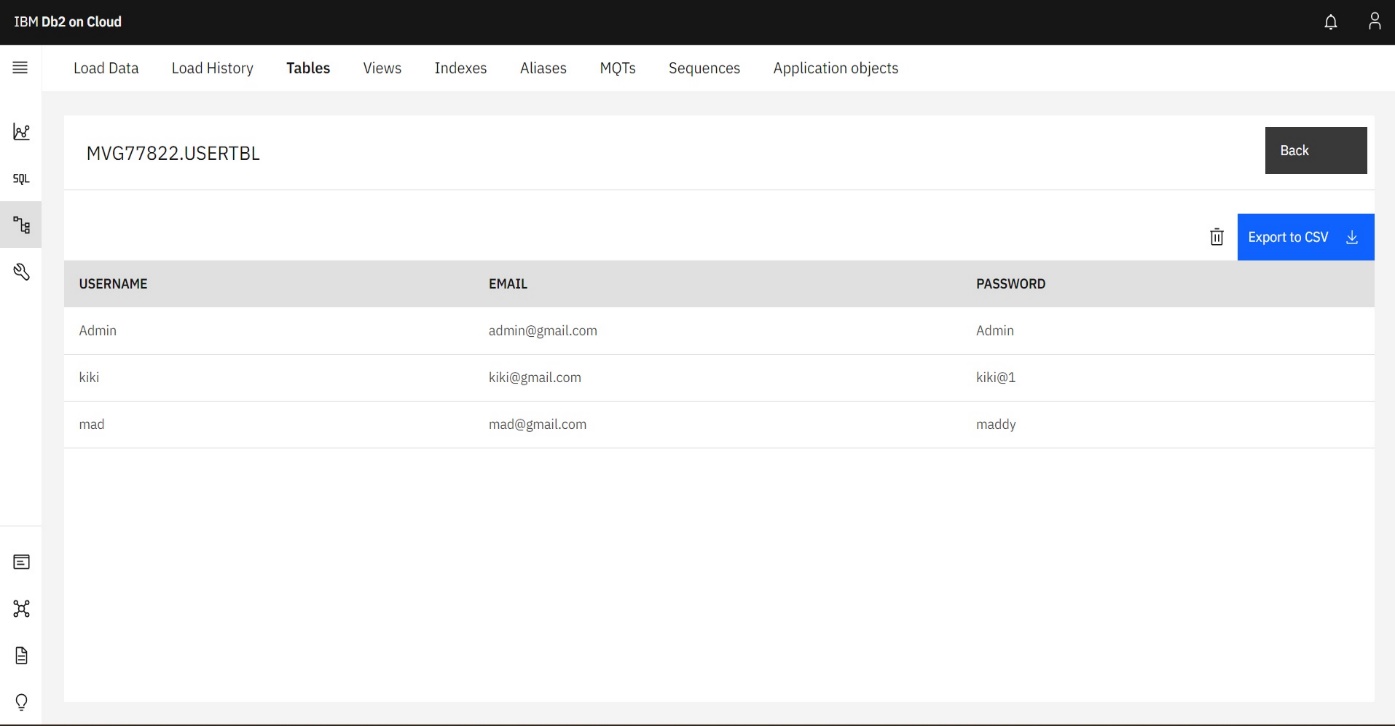
2. Perform UPDATE, DELETE Queries with user table.

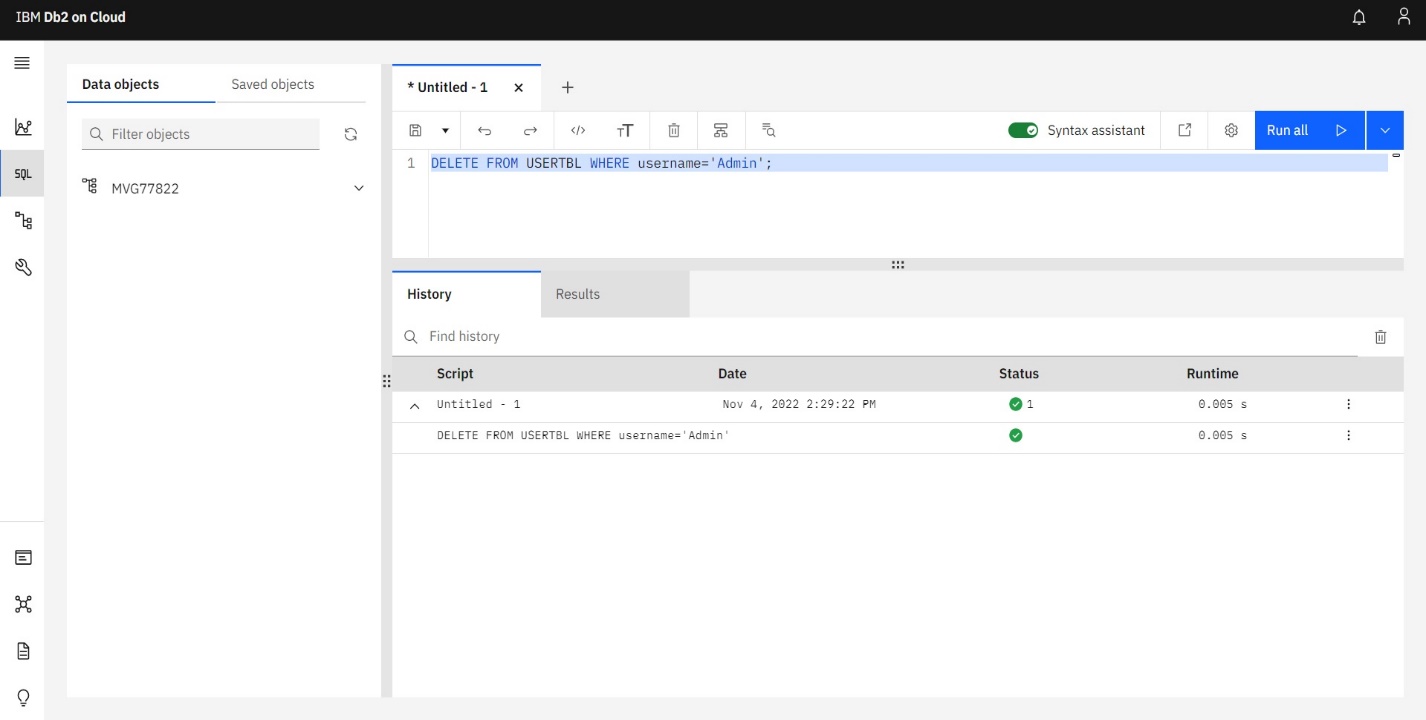
# UPDATE TABLE:

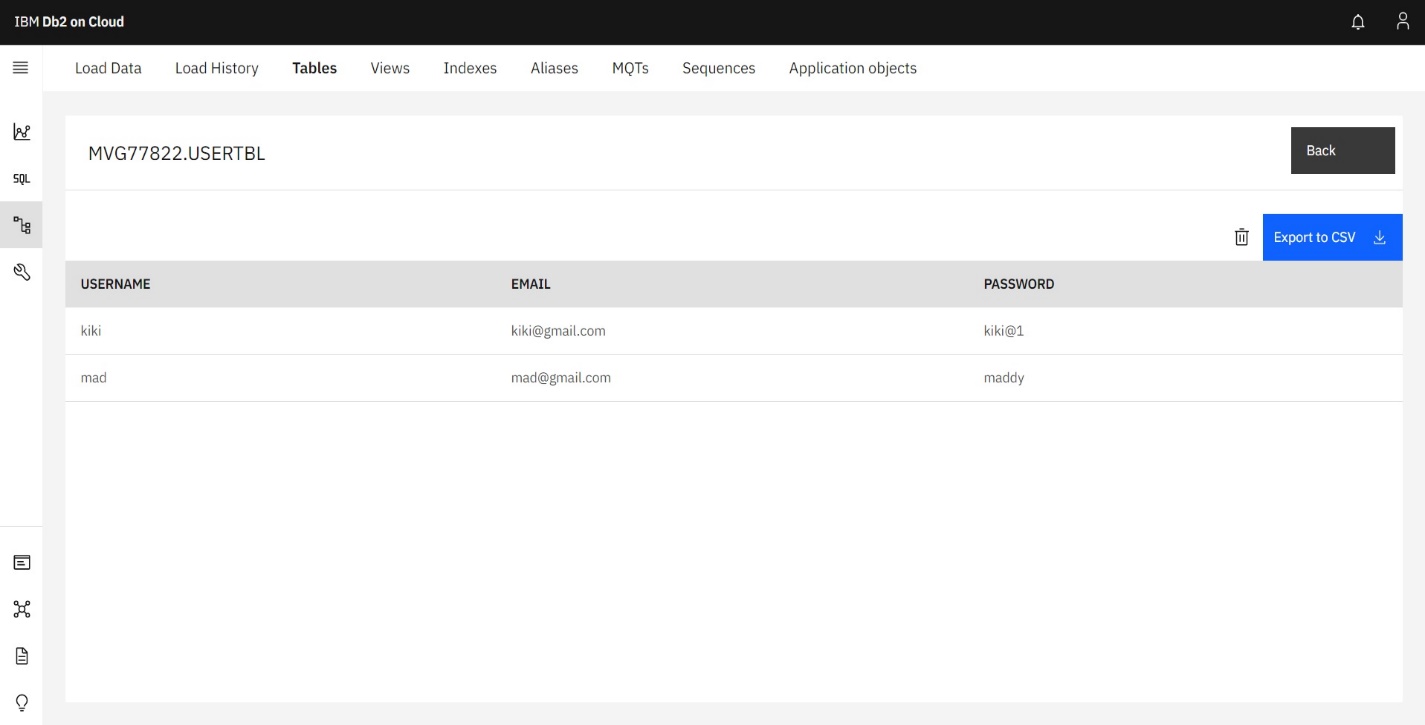
# 



**DELETE TABLE**:







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 = "XOk7hJ5iGB6Dzgtx"  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 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;

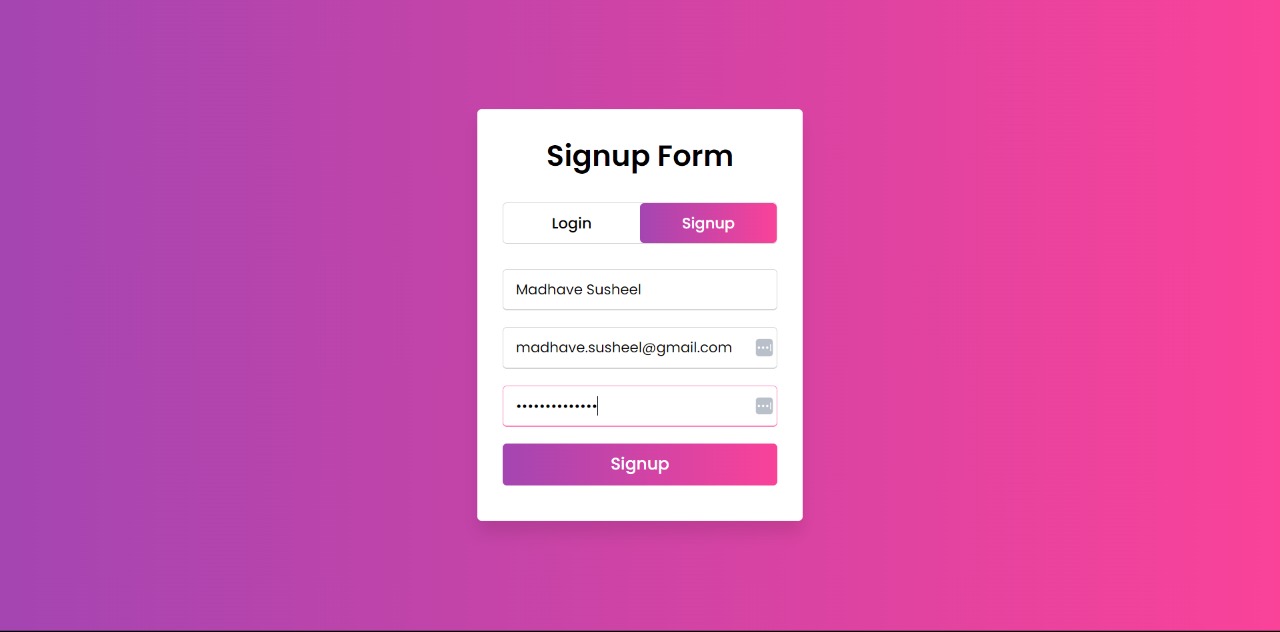
font-size: 20px;

font-weight: 500;

cursor: pointer;

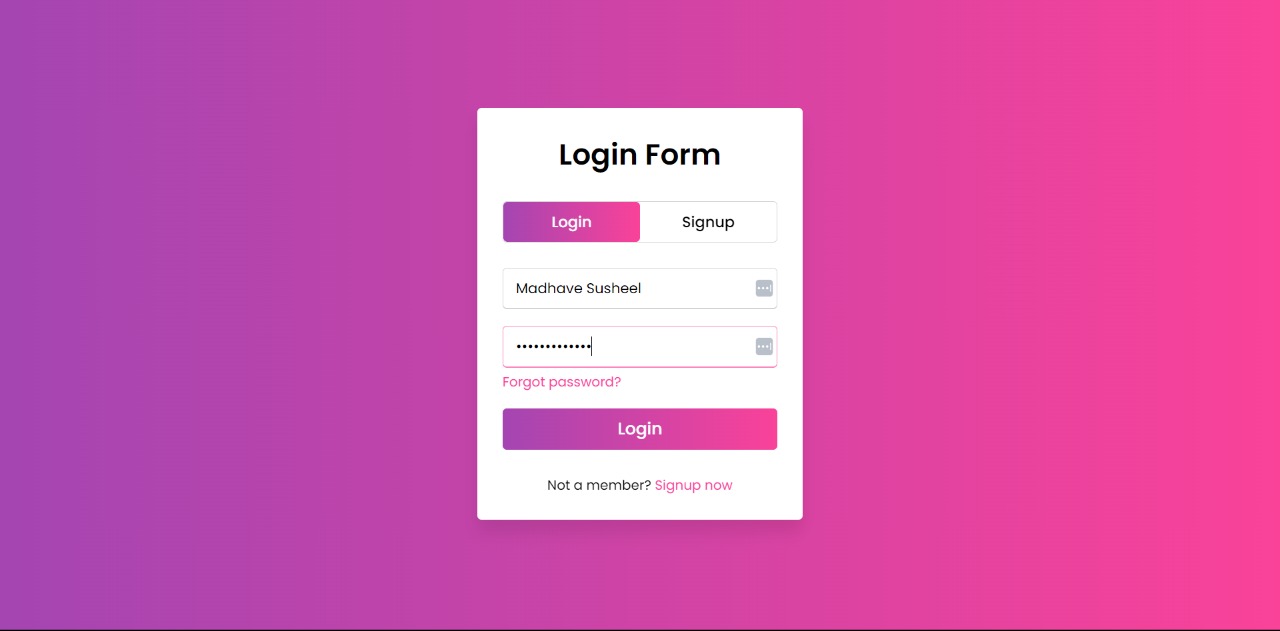
}

# Output page:

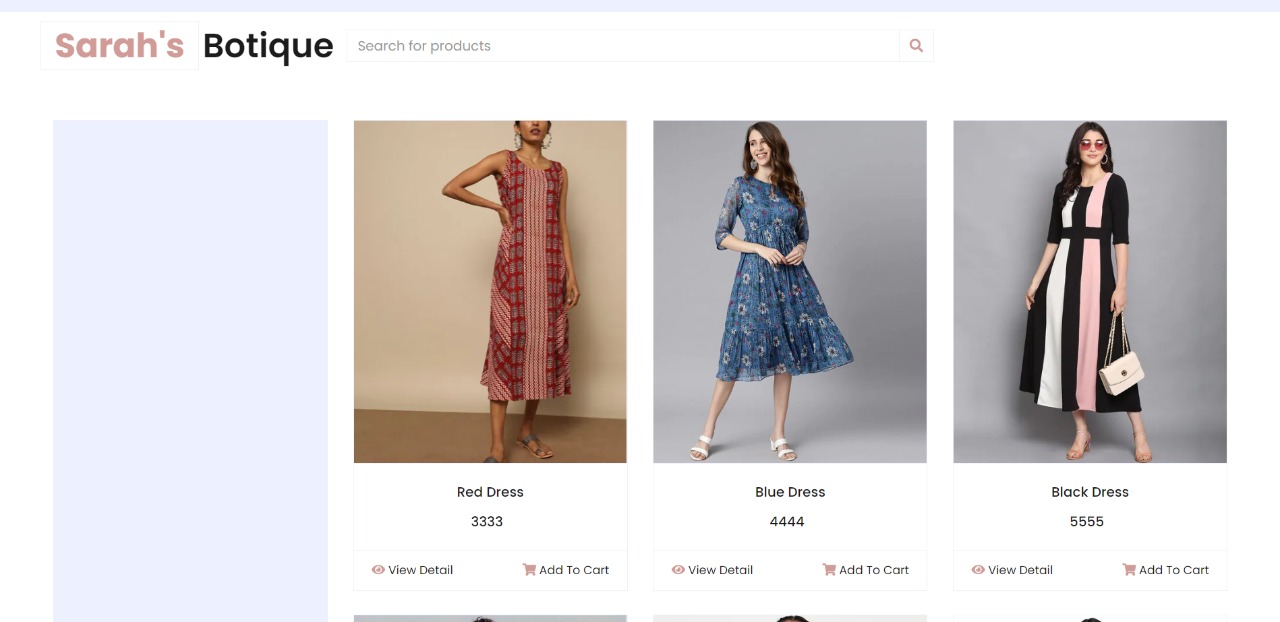


# 

# Login Page:



# Welcome Page:



# Data Base Table

