ASSIGNMENT-3

Team id	PNT2022TMID49560
PROJECT NAME	CUSTOMER CARE REGISTRY
NAME	ASHA MOL D
ROLL NO	950019104005

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

```
CREATE TABLE user(email varchar(50) not null,
 username varchar(20) not null,
 roll_number int not null,
 password varchar(20) not null)
 INSERT INTO user(email, username, roll_number, password)
VALUES('ashamold2002@gmail.com','asha','4005','ashamol')
```

2.Perform UPDATE,DELETE Queries with user table

```
UPDATE user SET username='selva' WHERE email='ashamold2002@gmail.com'
DELETE FROM user WHERE username = 'asha'
```

3.Connect python code to db2

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=125f9f61-9715-46f9-
9399-c8177b21803b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;
PORT=30426;
Security=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=kvy28890;
PWD=hzGzweYidBDu3bWP;","","")
```

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.

login.html

```
<html>
<head>
<meta charset="UTF-8">
<title> Login </title>
<link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
</head>
<body></br></br></br></br></br>
<div align="center">
<div align="center" class="border">
<div class="header">
<h1 class="word">Login</h1>
</div></br></br></br>
<h2 class="word">
<form action="{{ url_for('login') }}" method="post">
<div class="msg">{{ msg }}</div>
<input id="username" name="username" type="text"
placeholder="Enter Your Username" class="textbox"/></br></br>
<input id="password" name="password"
type="password" placeholder="Enter Your Password" class="textbox"/></br></br></br>
<input type="submit" class="btn" value="Sign
In"></br></br>
</form>
</h2>
<p class="bottom">Don't have an account? <a class="bottom"
```

```
href="{{url_for('register')}}"> Sign Up here</a></p>
</div>
</div>
</body>
</html>
```

register.html:

```
<html>
<head>
<meta charset="UTF-8">
<title> Register </title>
<link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
</head>
<body></br></br></br></br></br>
<div align="center">
<div align="center" class="border">
<div class="header">
<h1 class="word">Register</h1>
</div></br></br></br>
<h2 class="word">
<form action="{{ url_for('register') }}" method="post">
<div class="msg">{{ msg }}</div>
<input id="username" name="username" type="text"
placeholder="Enter Your Username" class="textbox"/></br></br>
<input id="password" name="password"
type="password" placeholder="Enter Your Password" class="textbox"/></br></br>
<input id="email" name="email" type="text"
placeholder="Enter Your Email ID" class="textbox"/></br></br>
<input type="submit" class="btn" value="Sign
```

```
Up"></br>
</form>
</h2>
<p class="bottom">Already have an account? <a class="bottom"
href="{{url_for('login')}}"> Sign In here</a></p>
</div>
</div>
</body>
</html>
```

index.html:

```
<html>
<head>
<meta charset="UTF-8">
<title> Index </title>
<link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
</head>
<body></br></br></br></br></br>
<div align="center">
<div align="center" class="border">
<div class="header">
<h1 class="word">Index</h1>
</div></br></br></br>
<h1 class="bottom">
Hi {{session.username}}!!</br></br> Welcome to Our
page...
</h1></br></br></br>
<a href="{{ url_for('logout') }}" class="btn">Logout</a>
</div>
```

```
</div>
</body>
</html>
```

style.css:

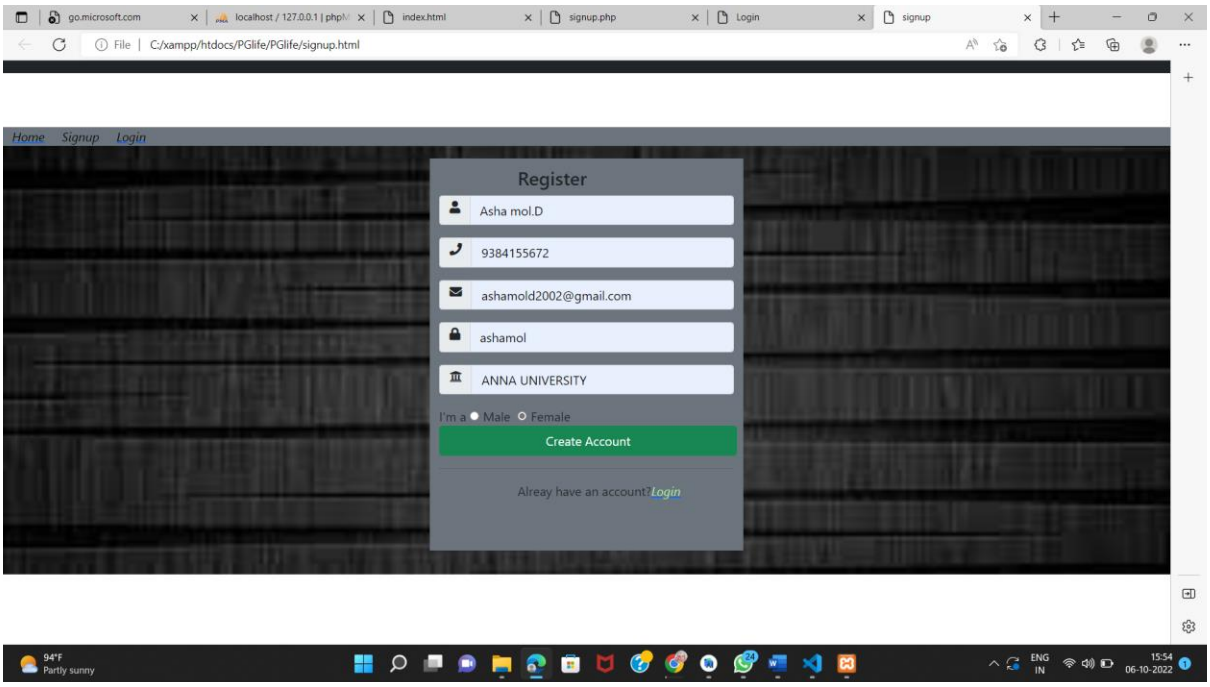
```
.header{
 padding: 5px 120px;
 width: 150px;
 height: 70px;
 background-color: #236B8E;
}
.border{
 padding: 80px 50px;
 width: 400px;
 height: 450px;
 border: 1px solid #236B8E;
 border-radius: 0px;
 background-color: #9AC0CD;
}
.btn {
 padding: 10px 40px;
 background-color: #236B8E;
 color: #FFFFFF;
 font-style: oblique;
 font-weight: bold;
 border-radius: 10px;
}
.textbox{
 padding: 10px 40px;
 background-color: #236B8E;
 text-color: #FFFFFF;
 border-radius: 10px;
}

::placeholder {
 color: #FFFFFF;
 opacity: 1;
 font-style: oblique;
 font-weight: bold;
}
.word{
 color: #FFFFFF;
 font-style: oblique;
 font-weight: bold;
}
.bottom{
 color: #236B8E;
 font-style: oblique;
 font-weight: bold;
}
```

app.py:

```
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re
app = Flask(__name__)
app.secret_key = 'a'
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=125f9f61-9715-46f9-9399-
c8177b21803b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30426;Security=SS
L;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=kvy28890;PWD=hzGzweYidBDu
3bWP;",'','')
@app.route('/')
@app.route('/login', methods =['GET', 'POST'])
def login():
 msg = ''
 if request.method == 'POST' and 'username' in request.form and 'password' in
request.form:
 username = request.form['username']
 password = request.form['password']
 stmt = ibm_db.prepare(conn,'SELECT * FROM users WHERE username = ? AND
password = ?')
 ibm_db.bind_param(stmt,1,username)
 ibm_db.bind_param(stmt,2,password)
 ibm_db.execute(stmt)
 account = ibm_db.fetch_assoc(stmt)
 if account:
 session['loggedin'] = True
 session['username'] = account['USERNAME']
 msg = 'Logged in successfully !'
 return render_template('index.html', msg = msg)
 else:
 msg = 'Incorrect username / password !'
 return render_template('login.html', msg = msg)
@app.route('/logout')
def logout():
 session.pop('loggedin', None)
 session.pop('id', None)
 session.pop('username', None)
 return redirect(url_for('login'))
@app.route('/register', methods =['GET', 'POST'])
def register():
 msg = ''
 if request.method == 'POST' and 'username' in request.form and 'password' in request.form
and 'email' in request.form :
 username = request.form['username']
 password = request.form['password']
 email = request.form['email']
 stmt = ibm_db.prepare(conn,'SELECT * FROM users WHERE username = ?')
 ibm_db.bind_param(stmt,1,username)
 ibm_db.execute(stmt)
 account = ibm_db.fetch_assoc(stmt)
 if account:
 msg = 'Account already exists !'
 elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
 msg = 'Invalid email address !'
 elif not re.match(r'[A-Za-z0-9]+', username):
 msg = 'Username must contain only characters and numbers !'
 elif not username or not password or not email:
 msg = 'Please fill out the form !'
 else:
 prep_stmt = ibm_db.prepare(conn,"INSERT INTO users VALUES(?, ?, ?)")
 ibm_db.bind_param(prep_stmt, 1, username)
 ibm_db.bind_param(prep_stmt, 2, email)
 ibm_db.bind_param(prep_stmt, 3, password)
 ibm_db.execute(prep_stmt)
 msg = 'You have successfully registered !'
 elif request.method == 'POST':
 msg = 'Please fill out the form !'
 return render_template('register.html', msg = msg)
if __name__ == '__main__':
 app.debug = True
 app.run(host='0.0.0.0',port=8080)
```

OUTPUT:



go.microsoft.com
localhost / 127.0.0.1 | phpM
index.html
signup.php
Login
signup
File | C:/xampp/htdocs/PGlife/PGlife/signup.html
Home Signup Login

Register

Asha mol.D

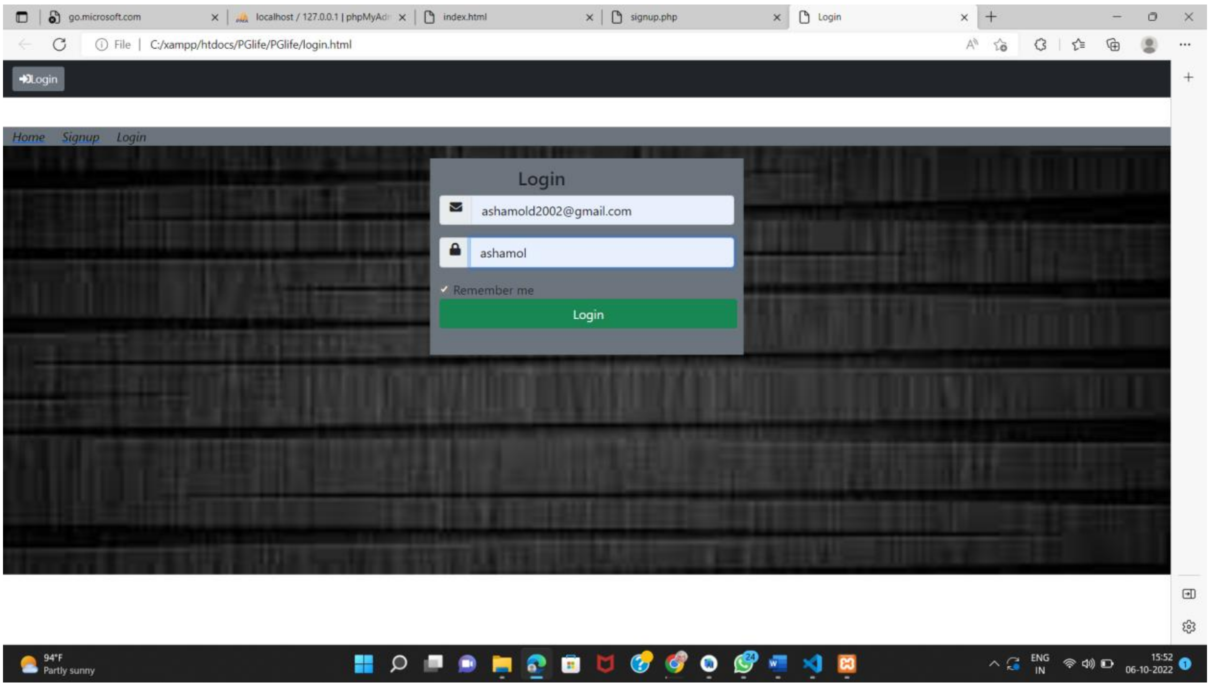
9384155672

ashamold2002@gmail.com

ashamol

ANNA UNIVERSITY

I'm a ● Male ○ Female



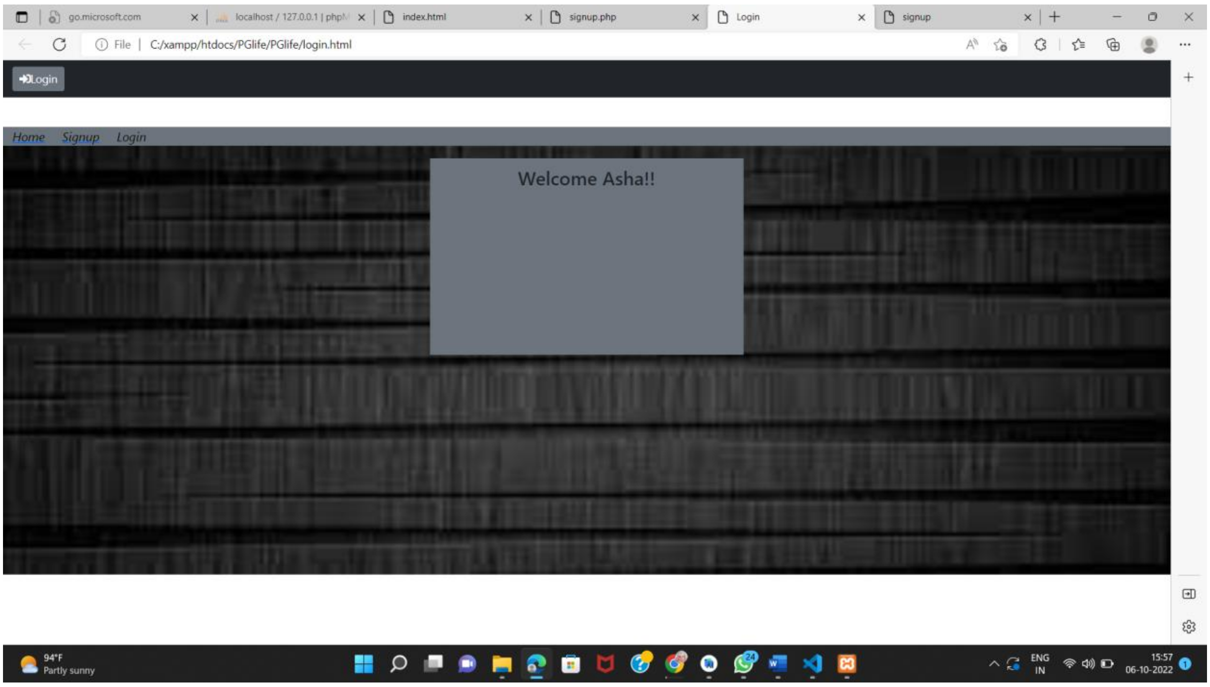
C:/xampp/htdocs/PGlife/PGlife/login.html

Login

ashamold2002@gmail.com

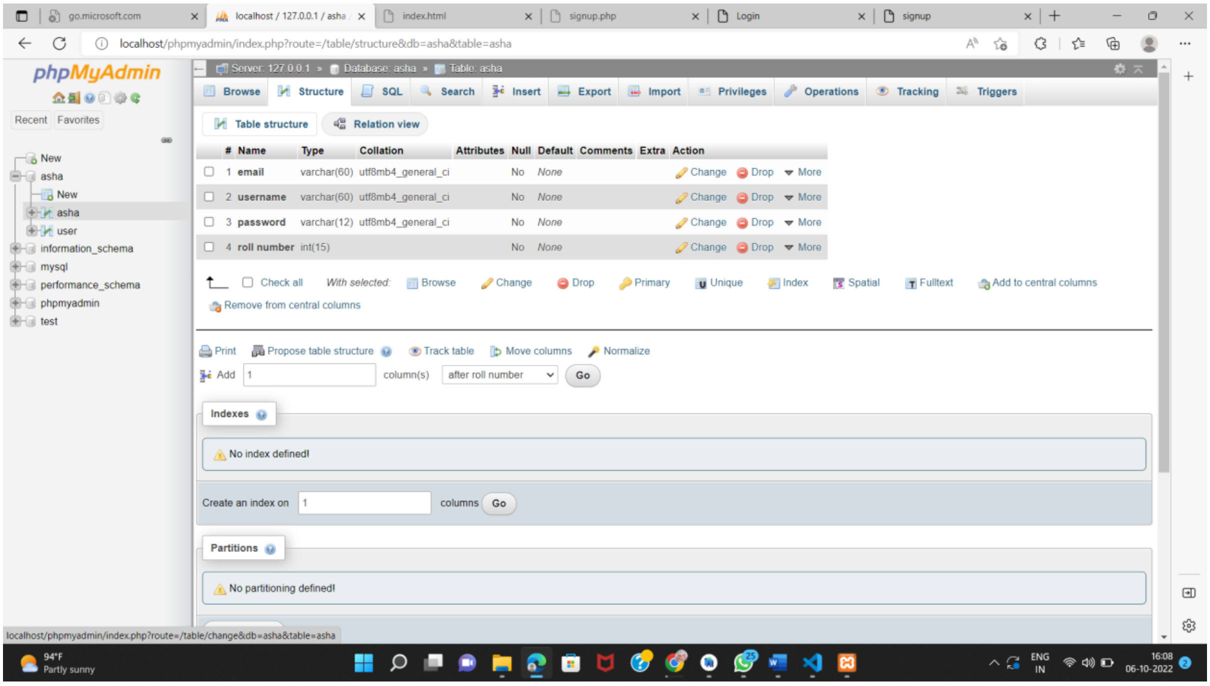
ashamol

✓ Remember me



C:/xampp/htdocs/PGlife/PGlife/login.html

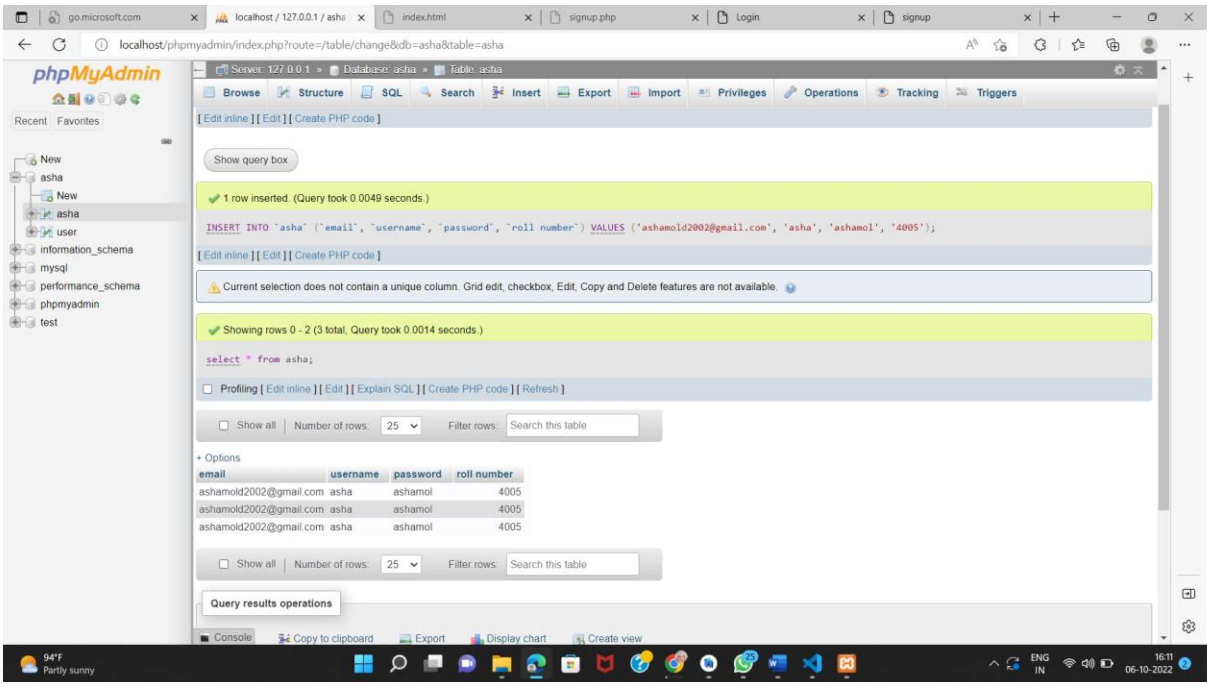
Welcome Asha!!



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	email	varchar(60)	utf8mb4_general_ci		No	*None*			Change Drop More
2	username	varchar(60)	utf8mb4_general_ci		No	*None*			Change Drop More
3	password	varchar(12)	utf8mb4_general_ci		No	*None*			Change Drop More
4	roll number	int(15)			No	*None*			Change Drop More

No index defined!

No partitioning defined!



1 row inserted. (Query took 0.0049 seconds.)

```
INSERT INTO `asha` (`email`, `username`, `password`, `roll number`) VALUES ('ashamold2002@gmail.com', 'asha', 'ashamol', '4005');
```

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 2 (3 total, Query took 0.0014 seconds.)

```
select * from asha;
```

email	username	password	roll number
ashamold2002@gmail.com	asha	ashamol	4005
ashamold2002@gmail.com	asha	ashamol	4005
ashamold2002@gmail.com	asha	ashamol	4005