

## ASSIGNMENT-2

<b>Assignment Date</b>	19 September 2022
<b>Student Name</b>	A.Mohamed Yasar
<b>Student Roll Number</b>	820419104035
<b>Team ID</b>	PNT2022TMID32929
<b>Maximum Marks</b>	2 Marks

### Question-1:

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

### Solution:

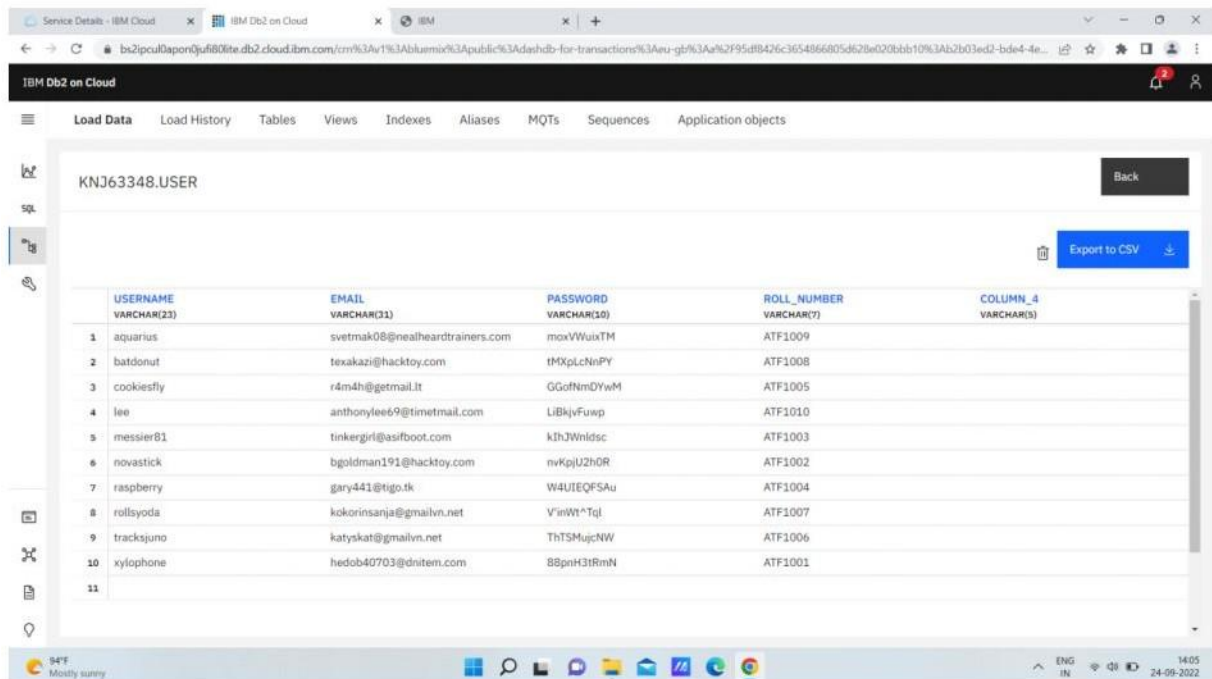
#### Excel comma file

Username	Email	Password	Roll Number
xylophone	bedob40703@dsitem.com	88peHtH0FmN	ATF1001
novastick	b9kldseu191@hacktoy.com	mKpUz0eR	ATF1002
messier81	tsikergstl@auiroot.com	kthWaldse	ATF1003
raspberry	gary441@tigo.tk	W4UTEQFSAu	ATF1004
cookiecity	r4to4h@getmail.it	G0odNnDYwM	ATF1005
truckysimo	katyskat@gmail.na.net	ThTSMjgcNW	ATF1006
rollyoda	kokorasevija@gmail.na.net	VtaWvTgl	ATF1007
latidout	texakazi@hacktoy.com	tMXpLcNnPY	ATF1008
aquaria	svetmak08@nealhearthtrainers.com	moxVWuxTM	ATF1009
lee	anthonylee69@tinmetmail.com	LiBkvFunop	ATF1010

#### User table in Db2

Name	Data type	Nullable	Length	Scale
USERNAME	VARCHAR	Y	23	0
EMAIL	VARCHAR	Y	31	0
PASSWORD	VARCHAR	Y	10	0
ROLL_NUMBER	VARCHAR	Y	7	0
COLUMN_4	VARCHAR	Y	5	0

## Data in User table



The screenshot shows the IBM Db2 on Cloud console interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The main content area displays the 'KNJ63348.USER' table. A table with 5 columns (USERNAME, EMAIL, PASSWORD, ROLL\_NUMBER, COLUMN\_4) and 11 rows of data is shown. An 'Export to CSV' button is visible in the top right corner of the table area.

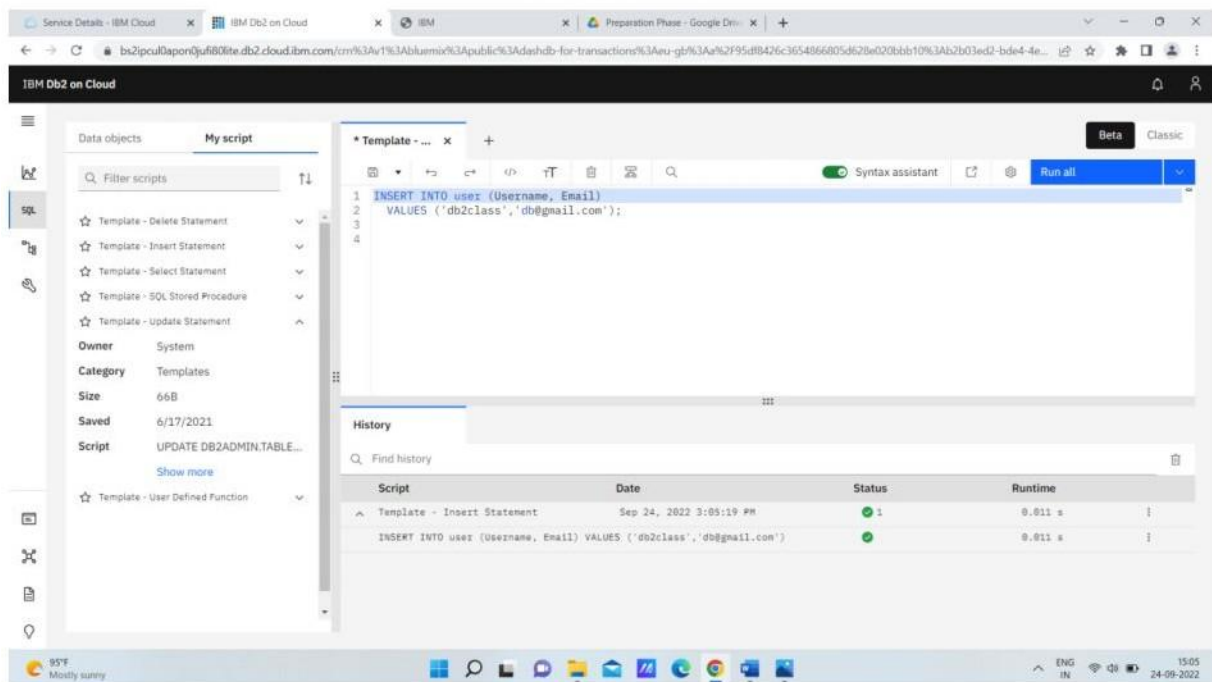
	USERNAME VARCHAR(23)	EMAIL VARCHAR(31)	PASSWORD VARCHAR(10)	ROLL_NUMBER VARCHAR(7)	COLUMN_4 VARCHAR(3)
1	aquarius	svetmak08@nealheardtrainers.com	moxVWuixTM	ATF1009	
2	batdonut	texakazi@hacktoy.com	tMXpLcNnPY	ATF1008	
3	cookiesfly	r4m4h@getmail.lt	GGoNmDYwM	ATF1005	
4	lee	anthonylee69@timetmail.com	LiBkivFuwp	ATF1010	
5	messier81	tinkergirl@asifboot.com	kHJWnldsc	ATF1003	
6	novastick	bgoldman191@hacktoy.com	nvKpJ2h0R	ATF1002	
7	raspberry	gary441@tigo.tk	W4UTEQFSau	ATF1004	
8	rollslyoda	kokorinsanja@gmail.vn.net	V'inW1^TqL	ATF1007	
9	tracksjuno	katyskat@gmail.vn.net	ThTSMujcNW	ATF1006	
10	xylophone	hedob40703@dnitem.com	BBgnH3IRmN	ATF1001	
11					

## Question-2:

Perform INSERT, SELECT, DELETE Queries in user table

## Solution:

### Insert Query



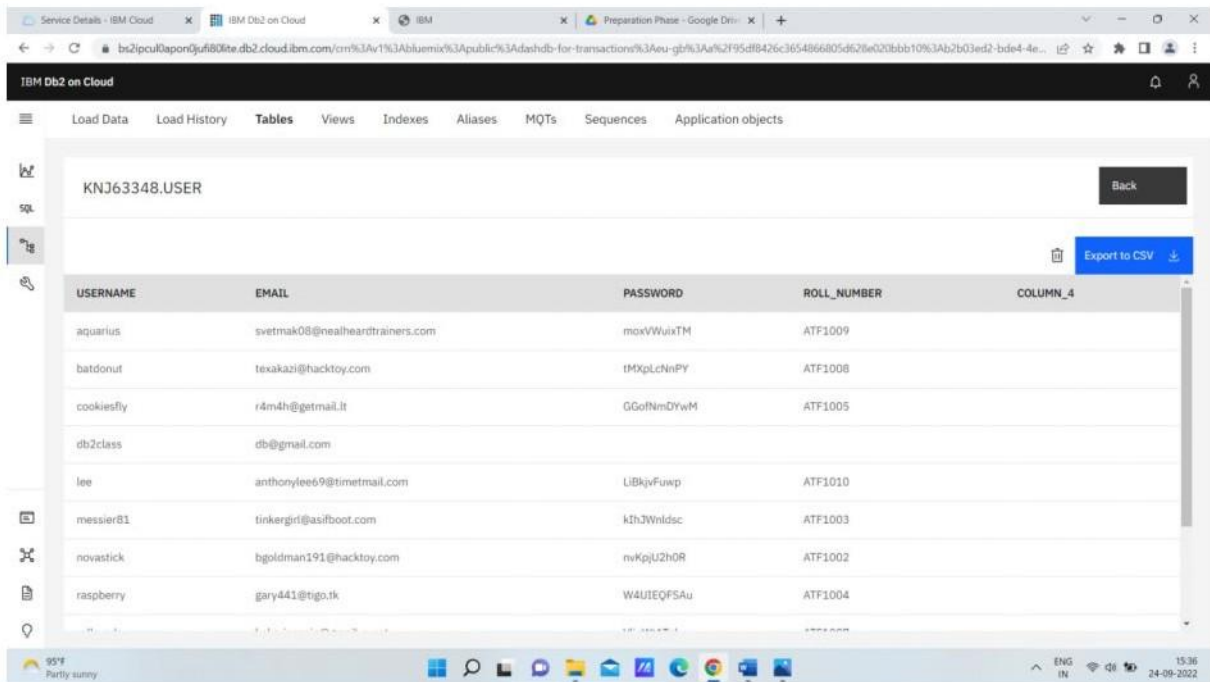
The screenshot shows the IBM Db2 on Cloud console interface. The left sidebar shows 'Data objects' and 'My script'. The main area displays a script editor with the following SQL query:

```
1 INSERT INTO user (Username, Email)
2 VALUES ('db2class', 'db@gmail.com');
3
4
```

The 'History' tab at the bottom shows the execution details of the script:

Script	Date	Status	Runtime
Template - Insert Statement	Sep 24, 2022 3:05:19 PM	✓ 1	0.011 s
INSERT INTO user (Username, Email) VALUES ('db2class', 'db@gmail.com')		✓	0.011 s

## Insert Query Output



IBM Db2 on Cloud

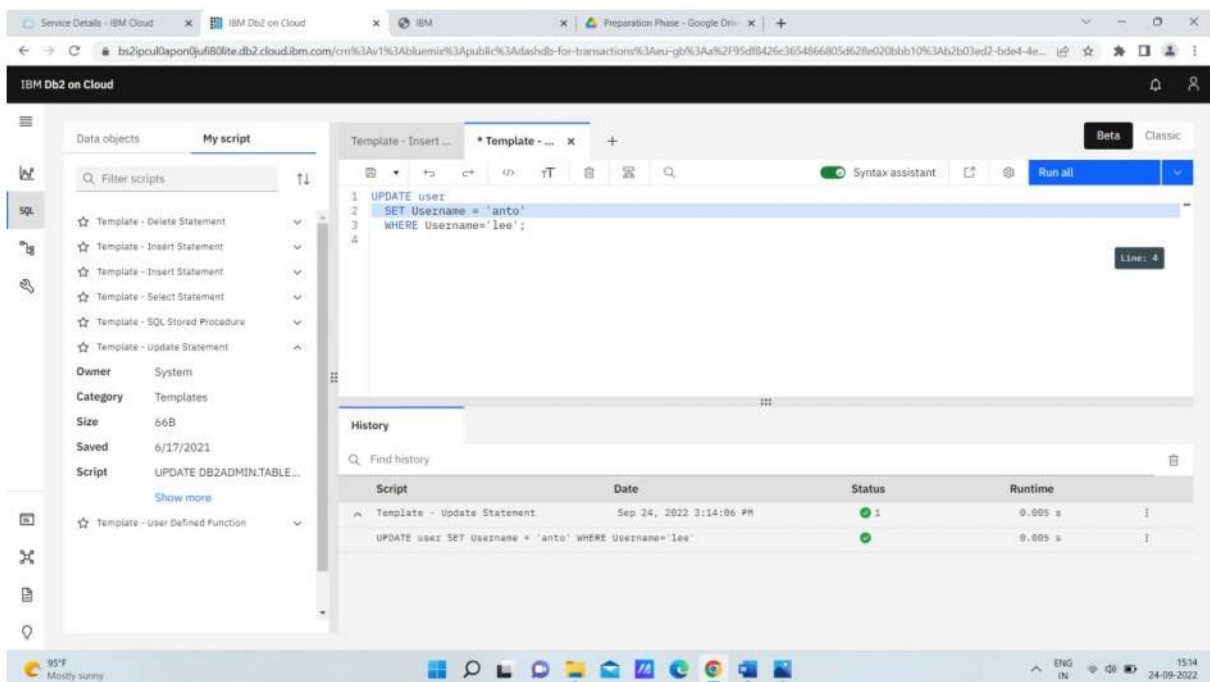
Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

KNJ63348.USER

Export to CSV

USERNAME	EMAIL	PASSWORD	ROLL_NUMBER	COLUMN_4
aquarius	svetmak08@nealheardtrainers.com	moxVWuixTM	ATF1009	
batdonut	texakazi@hacktoy.com	tMXpLcNnPY	ATF1008	
cookiesfly	r4m4h@getmail.it	GGofNmDYwM	ATF1005	
db2class	db@gmail.com			
lee	anthonylee69@timetmail.com	LiBkxvFuwp	ATF1010	
messier81	tinkergirl@asifboot.com	kIhJWnldsc	ATF1003	
novastick	bgoldman191@hacktoy.com	nvKpU2h0R	ATF1002	
raspberry	gary441@tigo.tk	W4UIEQFSAu	ATF1004	

## Update Query



IBM Db2 on Cloud

My script

Template - Insert ...

1 UPDATE user  
2 SET Username = 'anto'  
3 WHERE Username='lee';  
4

History

Script	Date	Status	Runtime
Template - Update Statement	Sep 24, 2022 3:14:06 PM	1	0.005 s
UPDATE user SET Username = 'anto' WHERE Username='lee'			0.005 s

## Update Query Output

Service Details - IBM Cloud | IBM Db2 on Cloud | IBM | Preparation Phase - Google Drive

bs2ipculDaponjuf80lite.db2.cloud.ibm.com/cm%3Av1%3AbLuemiv%3Apublic%3Adashdb-for-transaction%3Aeu-gb%3Aa%2F95df8426c3654866805d628e020bbb10%3Ab2b03ed2-bde4-4e...

IBM Db2 on Cloud

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

KNJ63348.USER

Export to CSV

USERNAME	EMAIL	PASSWORD	ROLL_NUMBER	COLUMN_4
anto	anthonylee69@timetmail.com	LiBkivFuwp	ATF1010	
aquarius	svetmak08@nealheardtrainers.com	moxVWuxTM	ATF1009	
batdonut	texakazi@hacktoy.com	tMXpLcNnPY	ATF1008	
cookiesfly	r4m4h@gmail.it	GGofNmDYwM	ATF1005	
db2class	db@gmail.com			
messier81	tinkergrl@asifboot.com	kIhJWnldsc	ATF1003	
novastick	bgoldman191@hacktoy.com	nvKpiU2h0R	ATF1002	
raspberry	gary441@tigo.tk	W4UIEQFSAu	ATF1004	

95°F Partly sunny | 15:38 24-09-2022

## Delete Query

IBM Db2 on Cloud

Data objects | **My script**

Filter scripts

- Template - Delete Statement
- Template - Insert Statement
- Template - Insert Statement
- Template - Select Statement
- Template - SQL Stored Procedure
- Template - Update Statement
- Owner: System
- Category: Templates
- Size: 66B
- Saved: 6/17/2021
- Script: UPDATE DB2ADMIN.TABLE...
- Show more
- Template - User Defined Function

Template - Insert ... | \* Template - Upda... | \* Template - ...

Syntax assistant | Run all

```
1 DELETE FROM user
2 WHERE Username = 'db2class';
3
```

History | Results

Find history

Script	Date	Status	Runtime
Template - Delete Statement	Sep 24, 2022 3:38:56 PM	1	0.005 s
DELETE FROM user WHERE Username = 'db2class'			0.005 s

## Delete Query Output

Service Details - IBM Cloud | IBM Db2 on Cloud | IBM | Preparation Phase - Google Drive

bs2ipculDaponjuf80lite.db2.cloud.ibm.com/cm%3Av1%3AbLuemiv%3Apublic%3Adashdb-for-transaction%3Aeu-gb%3Aa%2F95df8426c3654866805d628e020bbb10%3Ab2b03ed2-bde4-4e...

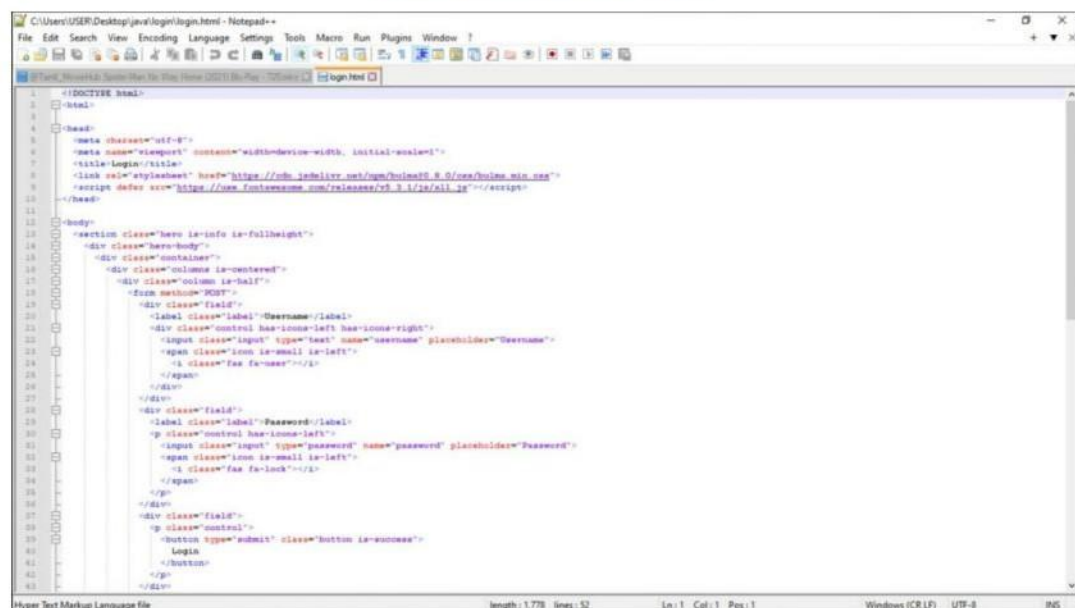
IBM Db2 on Cloud

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

KNJ63348.USER

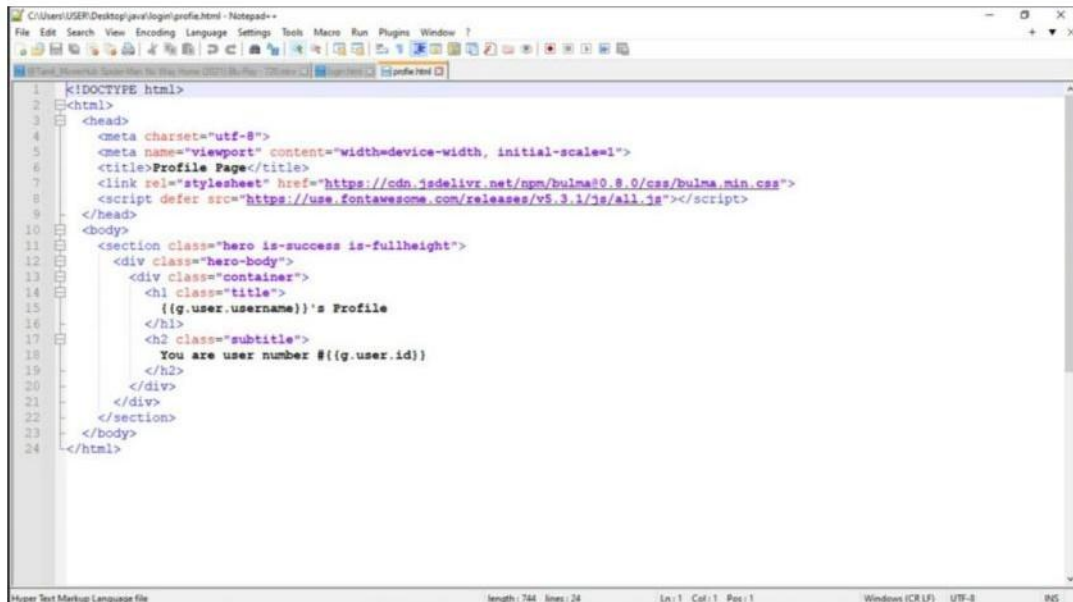
Export to CSV

USERNAME	EMAIL	PASSWORD	ROLL_NUMBER	COLUMN_4
anto	anthonylee69@timetmail.com	LiBkivFuwp	ATF1010	
aquarius	svetmak08@nealheardtrainers.com	moxVWuxTM	ATF1009	
batdonut	texakazi@hacktoy.com	tMXpLcNnPY	ATF1008	
cookiesfly	r4m4h@gmail.it	GGofNmDYwM	ATF1005	
messier81	tinkergrl@asifboot.com	kIhJWnldsc	ATF1003	
novastick	bgoldman191@hacktoy.com	nvKpiU2h0R	ATF1002	
raspberry	gary441@tigo.tk	W4UIEQFSAu	ATF1004	
roltsyoda	kokorinsanja@gmail.nv.net	V'inWt*Qj	ATF1007	



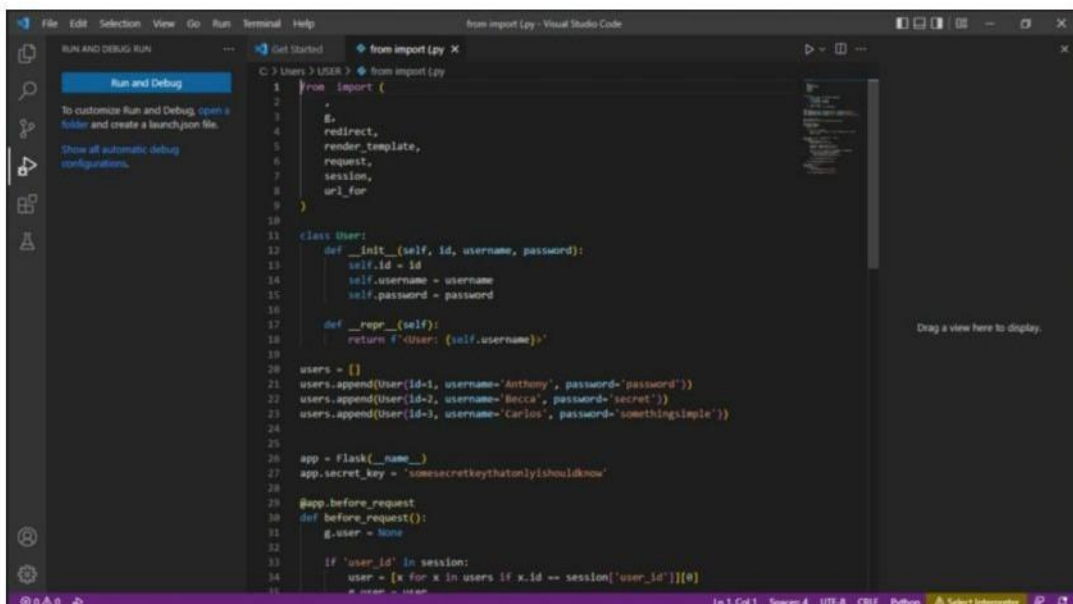


## Source code for welcome page



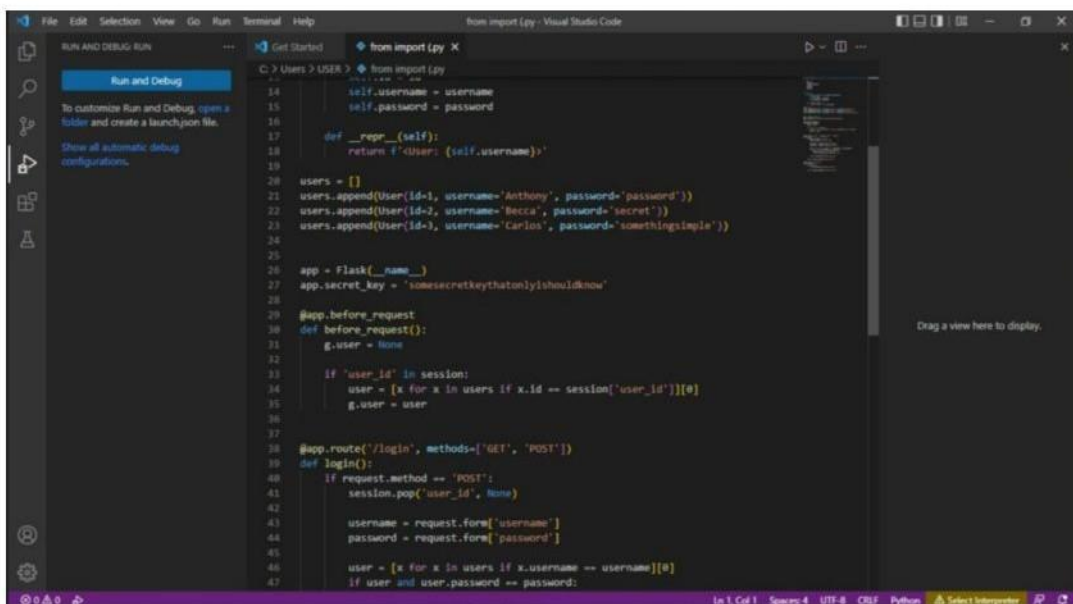
```
1<!DOCTYPE html>
2<html>
3<head>
4<meta charset="utf-8">
5<meta name="viewport" content="width=device-width, initial-scale=1">
6<title>Profile Page</title>
7<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bulma@0.8.0/css/bulma.min.css">
8<script defer src="https://use.fontawesome.com/releases/v5.3.1/js/all.js"></script>
9</head>
10<body>
11<section class="hero is-success is-fullheight">
12<div class="hero-body">
13<div class="container">
14<h1 class="title">
15  {{(q.user.username)}}'s Profile
16</h1>
17<h2 class="subtitle">
18  You are user number #{{(q.user.id)}}
19</h2>
20</div>
21</div>
22</section>
23</body>
24</html>
```

## Flask code



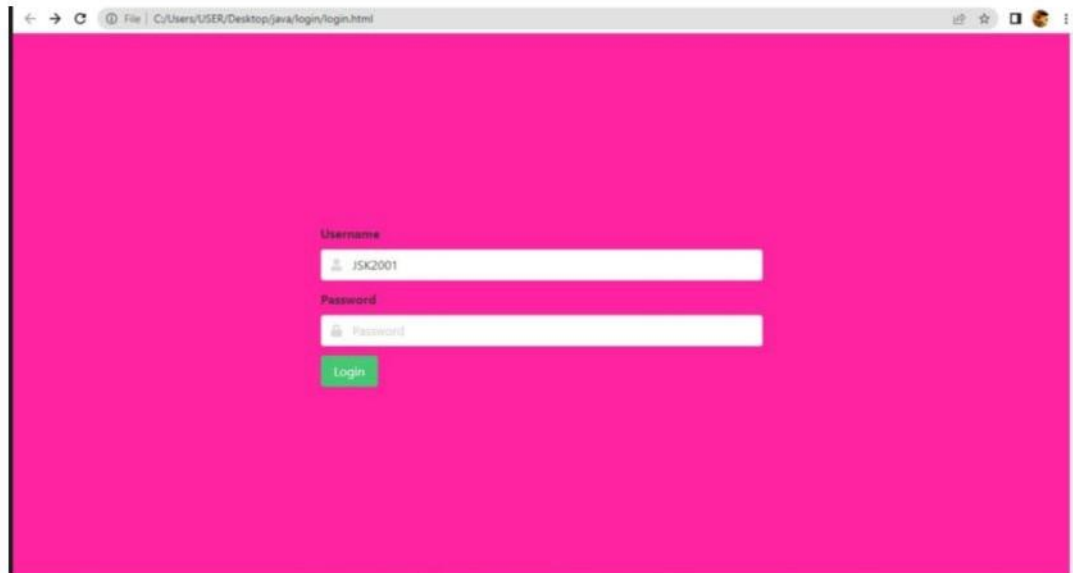
```
1from import (
2
3    redirect,
4    render_template,
5    request,
6    session,
7    url_for
8)
9
10
11class User:
12    def __init__(self, id, username, password):
13        self.id = id
14        self.username = username
15        self.password = password
16
17    def __repr__(self):
18        return f'<User: {self.username}>'
19
20
21users = []
22users.append(User(id=1, username='Anthony', password='password'))
23users.append(User(id=2, username='Becca', password='secret'))
24users.append(User(id=3, username='Carlos', password='somethingimple'))
25
26app = Flask(__name__)
27app.secret_key = 'somesecretkeythatonlyishouldknow'
28
29@app.before_request
30def before_request():
31    g.user = None
32
33    if 'user_id' in session:
34        user = [x for x in users if x.id == session['user_id']][0]
35        g.user = user
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```

## Flask code



```
14self.username = username
15self.password = password
16
17def __repr__(self):
18    return f'<User: {self.username}>'
19
20
21users = []
22users.append(User(id=1, username='Anthony', password='password'))
23users.append(User(id=2, username='Becca', password='secret'))
24users.append(User(id=3, username='Carlos', password='somethingimple'))
25
26app = Flask(__name__)
27app.secret_key = 'somesecretkeythatonlyishouldknow'
28
29@app.before_request
30def before_request():
31    g.user = None
32
33    if 'user_id' in session:
34        user = [x for x in users if x.id == session['user_id']][0]
35        g.user = user
36
37
38@app.route('/login', methods=['GET', 'POST'])
39def login():
40    if request.method == 'POST':
41        session.pop('user_id', None)
42
43        username = request.form['username']
44        password = request.form['password']
45
46        user = [x for x in users if x.username == username][0]
47        if user and user.password == password:
```

## Login Page Output



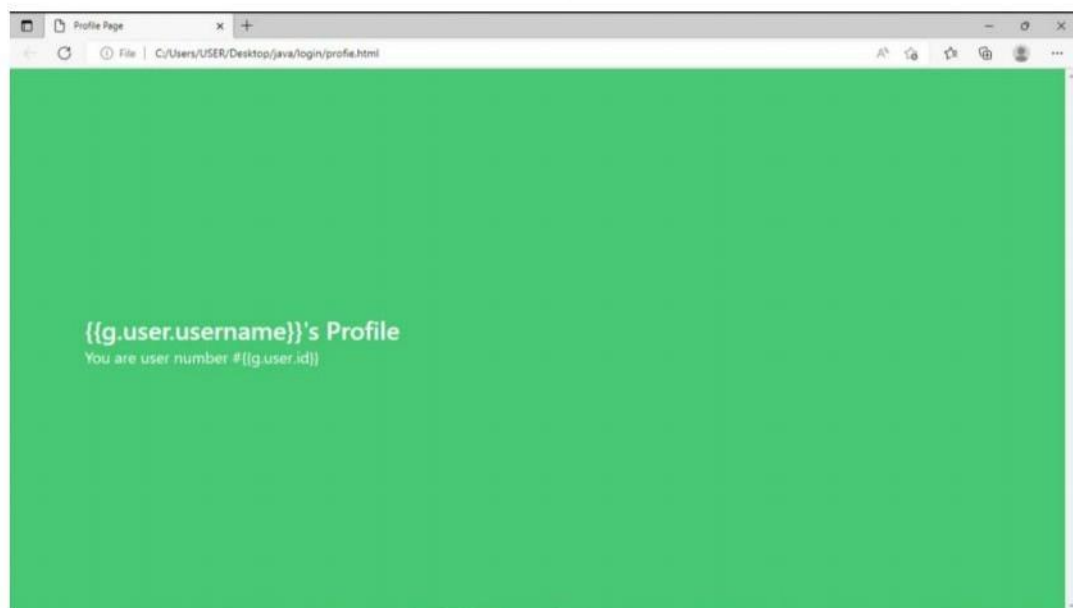
A screenshot of a web browser displaying a login page. The page has a solid pink background. In the center, there is a white login form. The form contains two input fields: the first is labeled "Username" and contains the text "JSK2001"; the second is labeled "Password" and contains the text "Password". Below the password field is a green button with the text "Login". The browser's address bar shows the file path "C:/Users/USER/Desktop/java/login/login.html".

Username  
JSK2001

Password  
Password

Login

## Welcome Page Output



A screenshot of a web browser displaying a welcome page. The page has a solid green background. On the left side, there is white text that reads: `{{g.user.username}}`'s Profile. Below this, it says: You are user number #`{{g.user.id}}`. The browser's address bar shows the file path "C:/Users/USER/Desktop/java/login/profie.html".

`{{g.user.username}}`'s Profile  
You are user number #`{{g.user.id}}`