

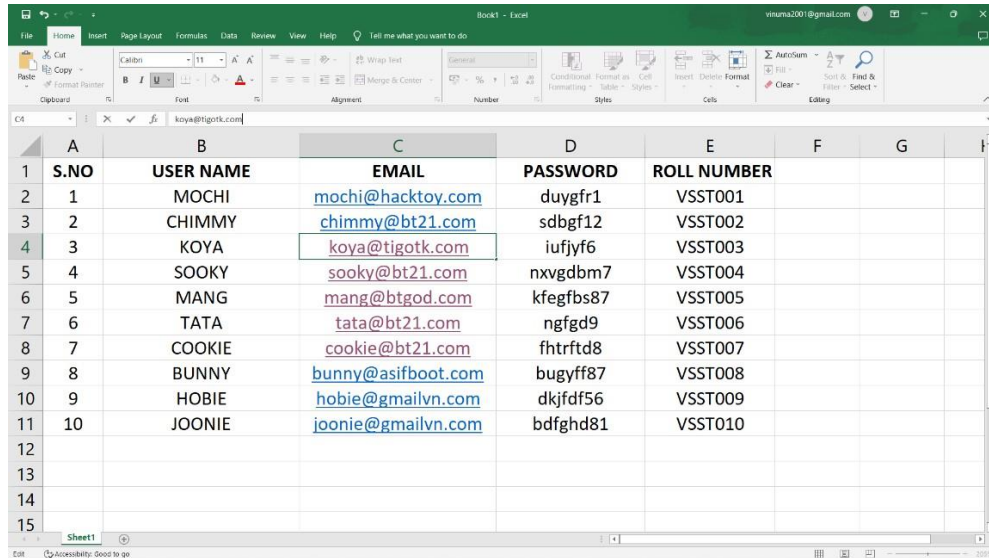
## Assignment -2

### CLOUD APPLICATION DEVELOPEMENT

Assignment Date	19 September 2022
Student Name	SHIFA.S
Student Roll Number	812419104061
Maximum Marks	2 Marks

#### Question-1:

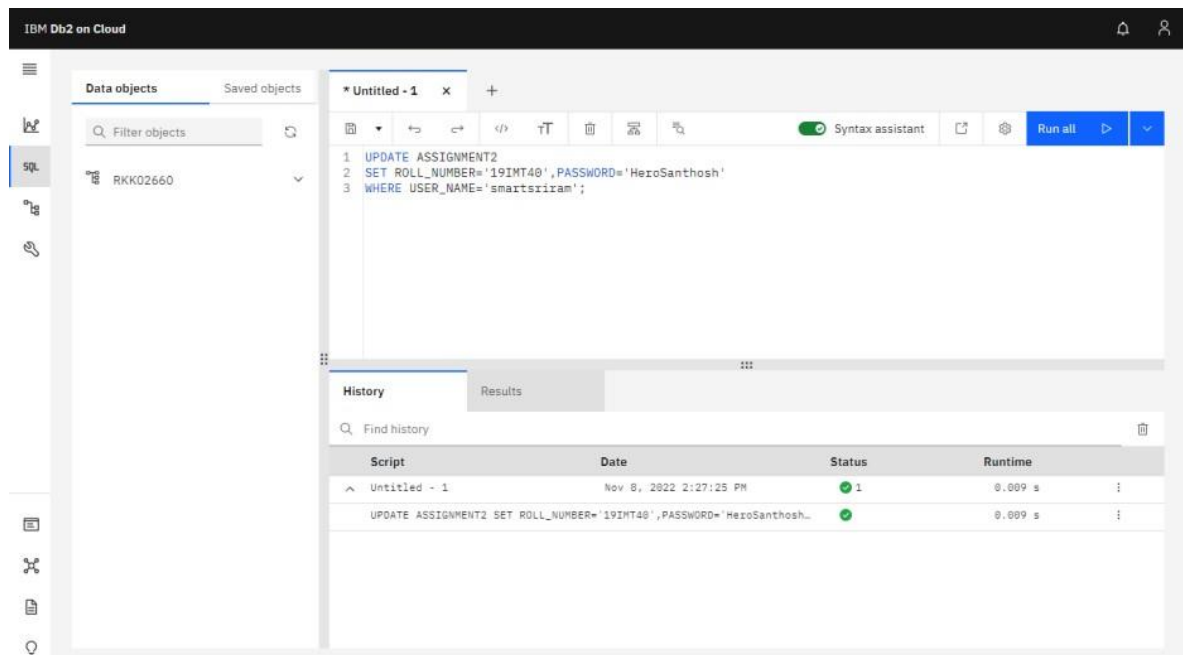
1. Create User table with email, username, rollnumber, password.



S.NO	USER NAME	EMAIL	PASSWORD	ROLL NUMBER
1	MOCHI	mochi@hacktoy.com	duygr1	VSST001
2	CHIMMY	chimmy@bt21.com	sdbgf12	VSST002
3	KOYA	koya@tigotk.com	iufjyf6	VSST003
4	SOOKY	sooky@bt21.com	nxvgdbm7	VSST004
5	MANG	mang@btgod.com	kfegfbs87	VSST005
6	TATA	tata@bt21.com	ngfgd9	VSST006
7	COOKIE	cookie@bt21.com	fhtrftd8	VSST007
8	BUNNY	bunny@asifboot.com	bugyff87	VSST008
9	HOBIE	hobie@gmailvn.com	dkjfdf56	VSST009
10	JOONIE	joonie@gmailvn.com	bdfghd81	VSST010

#### Question-2:

2. Perform UPDATE, DELETE Queries with user table



IBM Db2 on Cloud

Data objects: Filter objects

SQL: RKK02660

Untitled - 1

```

1 UPDATE ASSIGNMENT2
2 SET ROLL_NUMBER='191MT40',PASSWORD='HeroSanthosh'
3 WHERE USER_NAME='smartsriam';

```

History

Script	Date	Status	Runtime
Untitled - 1	Nov 8, 2022 2:27:25 PM	✓ 1	0.009 s
UPDATE ASSIGNMENT2 SET ROLL_NUMBER='191MT40',PASSWORD='HeroSanthosh...		✓	0.009 s

RKK02 660.ASSIGNED E NT2

Back



Service Details - IBM Cloud

IBM Db2 on Cloud

IBM Db2 on Cloud REST API | IBM

bs2ipau0apon0ju80lite.db2.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transaction%3Aeu-gb%3Aa%2F72f5ed1d1848ec864d5a9dcb9da188%3Ab7d90193...

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IBM Db2 on Cloud

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Run



### Question-3:

Connect python code to db2.

The screenshot shows the IBM Db2 on Cloud console interface. At the top, there's a navigation bar with 'Service Details - IBM Cloud' and 'IBM Db2 on Cloud'. Below the navigation bar, a red error message states: 'Error: Invalid file type. Supported file types are .csv and .txt.' In the center, a 'Load details' section shows a 'My computer' source and a 'Target' of 'PYD03172.DEMO'. A large blue circle indicates the job is 'COMPLETE'. To the right, a green notification box says: 'The data load job succeeded. Load excel data.csv from My Computer to PYD03172.DEMO' with a timestamp of '2022/10/04, 12:28 PM' and a 'View details' link. Below the 'Load details' section, there's a 'Status' tab with a donut chart showing '11 Rows read', '11 Rows loaded', and '0 Rows rejected'. The 'Settings' tab is also visible. On the right, an 'Errors' tab shows 'No errors'. At the bottom, a file explorer shows 'excel data.xlsx'.

The screenshot shows the 'Define' step of a data load job in the IBM Db2 on Cloud console. The 'Source' is 'excel data.csv' and the 'Target' is 'PYD03172.DEMO'. The 'Code page (character encoding)' is set to '1208 (UTF-8)'. The 'Separator' is set to ','. The 'Header in first row' is checked. The 'Time & date format' is set to 'Time & date format'. The 'Detect data types' is checked. Below these settings, a table shows the data being loaded:

S_NO	USER_NAME	EMAIL	PASSWORD	ROLL_NUMBER
SMALLINT	VARCHAR(6)	VARCHAR(18)	VARCHAR(9)	VARCHAR(7)
1	MOCHI	mochi@hacktoy.com	dugyfr1	VST001
2	CHIMMY	chimmy@bt21.com	sdbgt12	VST002
3	KOYA	koya@tigotk.com	iufjy46	VST003
4	SOOKY	sooky@bt21.com	nvvgdbm7	VST004
5	MANG	mang@btgod.com	kfegfbs87	VST005
6	TATA	tata@bt21.com	ngfgd9	VST006
7	COOKIE	cookie@bt21.com	fhtrfrd8	VST007
8	BUNNY	bunny@asifboot.com	bugyfr87	VST008
9	HOBIE	hobie@gmailvn.com	dkjctf56	VST009
10	JOONIE	joonie@gmailvn.com	bdftghd81	VST010

At the bottom right, there are 'Back' and 'Next' buttons.

**Question-4:**

3. 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 with username and password. If the user is valid show the welcome page.

[Source code](#)

app.py

```
from flask import Flask,render_template
```

```
app=Flask(_name_)
```

```
@app.route("/")
```

```
def home():
```

```
return "welcome to nta"
```

```
if __name__ == '__main__':
```

```
app.run(debug=True)
```

```
from flask import Flask, render_template
app=Flask(__name__)
@app.route("/")
def home():
    return "welcome to nta"
if __name__=="__main__":
    app.run(debug=True)
```

