

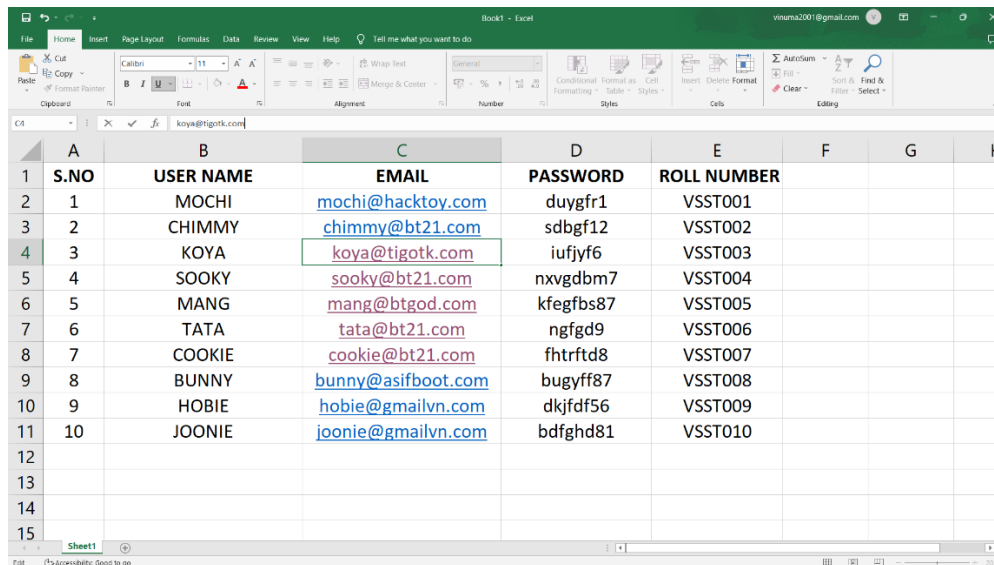
Assignment -1

CLOUD APPLICATION DEVELOPEMENT

Assignment Date	19 September 2022
Student Name	L.VINOTHINI
Student Roll Number	812419104074
Maximum Marks	2 Marks

Question-1:

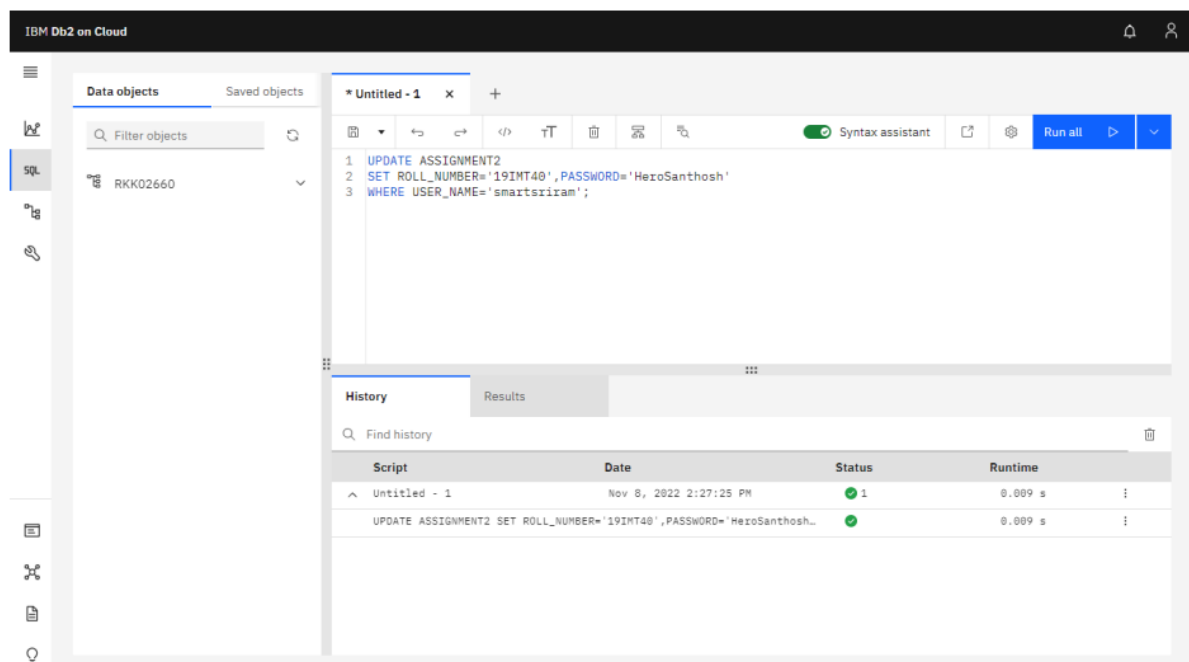
1. Create User table with email, username, roll number, password.



S.NO	USER NAME	EMAIL	PASSWORD	ROLL NUMBER
1	MOCHI	mochi@hacktoy.com	duygfr1	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	fhtfrtd8	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



The screenshot shows the IBM Db2 on Cloud interface. On the left, there's a sidebar with 'Data objects' and 'Saved objects'. The main area displays an SQL query editor with the following code:

```
1 UPDATE ASSIGNMENT2
2 SET ROLL_NUMBER='19INT40',PASSWORD='HeroSanthosh'
3 WHERE USER_NAME='smartsriam';
```

Below the query editor, there's a 'History' tab showing a table of executed queries:

Script	Date	Status	Runtime
Untitled - 1	Nov 8, 2022 2:27:25 PM	✓ 1	0.009 s
UPDATE ASSIGNMENT2 SET ROLL_NUMBER='19INT40',PASSWORD='HeroSanthosh...		✓	0.009 s

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 message states 'Error: Invalid file type. Supported file types are .csv and .txt.' A 'Load details' section shows a 'COMPLETE' status for a job named 'My computer Target excel data.csv PYD03172.DEMO'. A notification box indicates '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. The main area displays a donut chart with '11 Rows read', '11 Rows loaded', and '0 Rows rejected'. Below the chart, the text 'The data load job succeeded. You can now work with your data.' is shown. To the right, an 'Errors' section shows 'No errors'. The bottom of the console shows a file explorer with 'excel data.xlsx' selected.

Rows read	Rows loaded	Rows rejected
11	11	0

Start time: 10/04/2022 12:28:38 PM
End time: 10/04/2022 12:28:42 PM

The screenshot shows the IBM Db2 on Cloud console interface during the 'Define' step of a data load job. The message 'You are loading the file excel data.csv into PYD03172.DEMO' is displayed. The 'Code page (character encoding)' is set to '1208 (UTF-8)' and the 'Separator' is set to ','. The 'Header in first row' checkbox is checked. The 'Time & date format' is set to 'Time & date format' and 'Detect data types' is checked. A table with 10 rows and 5 columns is shown, representing the data being loaded. The columns are: S_NO, USER_NAME, EMAIL, PASSWORD, and ROLL_NUMBER. The rows contain data for users MOCHI, CHIMMY, KOYA, SOOKY, MANG, TATA, COOKIE, BUNNY, HOBIE, and JOONIE. The bottom of the console shows a file explorer with 'excel data.xlsx' selected.

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	iuflyf6	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	dkjfd56	VSST009
10	JOONIE	joonie@gmailvn.com	bcfghd81	VSST010

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)
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