

ASSIGNMENT-1

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1.Create 5 tables in IBM db2 and insert data by using insert query.

The first screenshot shows the IBM Db2 on Cloud interface with a SQL script being executed. The script contains three INSERT statements for the COLLEGE table. The History tab shows the execution results.

```
1 INSERT INTO COLLEGE (NAME,EMPID,EMAIL)
2 VALUES ('PRINCIPAL','25','pp@gmail.com');
3
4 INSERT INTO COLLEGE (NAME,EMPID,EMAIL)
5 VALUES ('HOD','90','hod@gmail.com');
6 INSERT INTO COLLEGE (NAME,EMPID,EMAIL)
7 VALUES ('PROFESSOR','67','pro@gmail.com');
```

Script	Date	Status	Runtime
Untitled - 3	Sep 19, 2022 8:26:03 PM	3	6.629 s
INSERT INTO COLLEGE (NAME,EMPID,EMAIL) VALUES ('PRINCIPAL','25','pp@gmail.com')			6.609 s
INSERT INTO COLLEGE (NAME,EMPID,EMAIL) VALUES ('HOD','90','hod@gmail.com')			6.668 s
INSERT INTO COLLEGE (NAME,EMPID,EMAIL) VALUES ('PROFESSOR','67','pro@gmail.com')			6.611 s

The second screenshot shows the 'Tables' tab in the IBM Db2 on Cloud interface, listing the tables created in the ZJB02492 schema.

Name	Schema	Properties
BANK	ZJB02492	---
COLLEGE	ZJB02492	---
HOTEL	ZJB02492	---
PLASMADONOR	ZJB02492	---
TEST CASE	ZJB02492	---
TESTS	ZJB02492	---

The third screenshot shows the 'Table definition' for the COLLEGE table, displaying the columns and their data types.

Name	Data type	Nullable	Length	Scale
NAME	CHAR	Y	42	0
EMPID	DECIMAL	Y	14	0
EMAIL	CHAR	Y	127	0

The fourth screenshot shows the data for the ZJB02492.COLLEGE table.

NAME	EMPID	EMAIL
HOD	90	hod@gmail.com
PRINCIPAL	25	pp@gmail.com
PROFESSOR	67	pro@gmail.com

Service Details - IBM Cloud x IBM Db2 on Cloud x

IBM Db2 on Cloud

Data objects My script

Filter objects

ZJB02492

Tables

25

TEST

Views

MQTs

Aliases

Nicknames

PLASMA TABLE *Untitled - 1 x +

Syntax assistant Run all

```
1 INSERT INTO HOTEL (NAME, EMPID, SALARY)
2 VALUES ('MANAGER', 25, 20000);
3
4 INSERT INTO HOTEL (NAME, EMPID, SALARY)
5 VALUES ('SERVER', 90, 200000);
6 INSERT INTO HOTEL (NAME, EMPID, SALARY)
7 VALUES ('COOK', 67, 20000);
```

History 25

Find history

Script	Date	Status	Runtime
Untitled - 1	Sep 19, 2022 7:59:32 PM	3	0.029 s
INSERT INTO HOTEL (NAME, EMPID, SALARY) VALUES ('MANAGER', 25, 20000);			0.013 s
INSERT INTO HOTEL (NAME, EMPID, SALARY) VALUES ('SERVER', 90, 200000);			0.009 s
INSERT INTO HOTEL (NAME, EMPID, SALARY) VALUES ('COOK', 67, 20000);			0.008 s
Untitled - 1	Sep 19, 2022 7:52:16 PM	3	0.024 s

Type here to search

21°C Haze 2000 19-09-2022

IBM Db2 on Cloud

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

ZJB02492.BANK

Back

Export to CSV

NAME	EMPID	SALARY
CASHE	90	200000
CLERK	67	2000
MD	25	1000

IBM Db2 on Cloud

Data objects My script

Filter objects

ZJB02492

Tables

25

TEST

Views

MQTs

Aliases

Nicknames

*Untitled - 1 x +

Syntax assistant Run all

```
1 INSERT INTO PLASHADONOR (ACTOR, EMAIL, PHNO)
2 VALUES ('donor', 'jayasi@ibm.com', '2000');
3
4 INSERT INTO PLASHADONOR (ACTOR, EMAIL, PHNO)
5 VALUES ('ADMIN', 'jinto@ibm.com', '2000');
6 INSERT INTO PLASHADONOR (ACTOR, EMAIL, PHNO)
7 VALUES ('NEEDER', 'datch@ibm.com', '2000');
```

History 25

Find history

Script	Date	Status	Runtime
Untitled - 1	Sep 19, 2022 7:52:16 PM	3	0.024 s
INSERT INTO PLASHADONOR (ACTOR, EMAIL, PHNO) VALUES ('donor', 'jayasi@ibm.com', '2000');			0.006 s
INSERT INTO PLASHADONOR (ACTOR, EMAIL, PHNO) VALUES ('ADMIN', 'jinto@ibm.com', '2000');			0.009 s
INSERT INTO PLASHADONOR (ACTOR, EMAIL, PHNO) VALUES ('NEEDER', 'datch@ibm.com', '2000');			0.009 s
Untitled - 1	Sep 19, 2022 7:50:52 PM	1	0.009 s

IBM Db2 on Cloud

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

ZJB02492.PLASMADONOR

Back

Export to CSV

ACTOR	EMAIL	PHNO
ADMIN	jinto@ibm.com	2000
NEEDER	darch@ibm.com	2000
donor	jayasri@ibm.com	2000
donor	jayasri@ibm.com	2000

IBM Db2 on Cloud

Data objects My script

Filter objects

ZJB02492

Tables

25

TEST

Views

MQTs

Aliases

Nicknames

*Untitled - 1

Beta Classic

Syntax assistant

Run all

```

1 INSERT INTO TESTS (NAME,EMAIL,NUMBER)
2 VALUES ('jothimani','sample@ibm.com','2000');

```

History

25

Find History

Script	Date	Status	Runtime
Untitled - 1	Sep 19, 2022 7:38:20 PM	✓ 1	0.009 s
INSERT INTO TESTS (NAME,EMAIL,NUMBER) VALUES ('jothimani','sample@ibm.com',...		✓ 1	0.009 s
Untitled - 1	Sep 19, 2022 7:37:14 PM	✓ 1	0.009 s
INSERT INTO TESTS (NAME,EMAIL,NUMBER) VALUES ('jinto','think@ibm.com','2000...		✓ 1	0.009 s
Untitled - 1	Sep 19, 2022 7:36:54 PM	✓ 1	0.009 s

IBM Db2 on Cloud

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

ZJB02492.TESTS

Back

Export to CSV

NAME	EMAIL	NUMBER
JAYASRI	test@ibm.com	2000
darch	think@ibm.com	2000
jayasridhara	sam@ibm.com	2000
jinto	think@ibm.com	2000
jothimani	sample@ibm.com	2000

2.perform UPDATE,DELETE, Queries in 5 tables.

IBM Db2 on Cloud

Data objects My script

Filter objects

Z3B02492

PLASMA TABLE *Untitled-1 BANK *Untitled-3

Syntax assistant Run all

```
1 INSERT INTO COLLEGE (NAME,EMPID,EMAIL)
2 VALUES ('PRINCIPAL','25','pp@gmail.com');
3
4 INSERT INTO COLLEGE (NAME,EMPID,EMAIL)
5 VALUES ('HOD','90','hod@gmail.com');
6 INSERT INTO COLLEGE (NAME,EMPID,EMAIL)
7 VALUES ('PROFESSOR','67','pro@gmail.com');
8 UPDATE COLLEGE SET EMPID = '80' WHERE NAME='PRINCIPAL';
9 DELETE FROM COLLEGE WHERE EMPID='67';
10
```

History

Find history

Script	Date	Status	Runtime
Untitled - 3	Sep 19, 2022 9:39:33 PM	5	0.915 s
INSERT INTO COLLEGE (NAME,EMPID,EMAIL) VALUES ('PRINCIPAL','25','pp@gmail.c...			0.903 s
INSERT INTO COLLEGE (NAME,EMPID,EMAIL) VALUES ('HOD','90','hod@gmail.com')			0.902 s
INSERT INTO COLLEGE (NAME,EMPID,EMAIL) VALUES ('PROFESSOR','67','pro@gmail...			0.902 s
UPDATE COLLEGE SET EMPID = '80' WHERE NAME='PRINCIPAL'			0.902 s

BANK.sql

Show all

IBM Db2 on Cloud

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

Z3B02492.BANK

Back

Export to CSV

NAME	EMPID	SALARY
CASHE	90	200000
CASHE	90	200000
MD	80	1000
MD	80	1000

BANK.sql

Show all

IBM Db2 on Cloud

Data objects My script

Filter objects

Z3B02492

PLASMA TABLE *Untitled-1 BANK *Untitled-3

Syntax assistant Run all

```
1 INSERT INTO COLLEGE (NAME,EMPID,EMAIL)
2 VALUES ('PRINCIPAL','25','pp@gmail.com');
3
4 INSERT INTO COLLEGE (NAME,EMPID,EMAIL)
5 VALUES ('HOD','90','hod@gmail.com');
6 INSERT INTO COLLEGE (NAME,EMPID,EMAIL)
7 VALUES ('PROFESSOR','67','pro@gmail.com');
8 UPDATE COLLEGE SET EMPID = '80' WHERE NAME='PRINCIPAL';
9 DELETE FROM COLLEGE WHERE EMPID='67';
10
```

History

Find history

Script	Date	Status	Runtime
Untitled - 3	Sep 19, 2022 9:39:33 PM	5	0.915 s
INSERT INTO COLLEGE (NAME,EMPID,EMAIL) VALUES ('PRINCIPAL','25','pp@gmail.c...			0.903 s
INSERT INTO COLLEGE (NAME,EMPID,EMAIL) VALUES ('HOD','90','hod@gmail.com')			0.902 s
INSERT INTO COLLEGE (NAME,EMPID,EMAIL) VALUES ('PROFESSOR','67','pro@gmail...			0.902 s
UPDATE COLLEGE SET EMPID = '80' WHERE NAME='PRINCIPAL'			0.902 s

BANK.sql

Show all

IBM Db2 on Cloud

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

ZJB02492.COLLEGE

Export to CSV

NAME	EMPID	EMAIL
HOD	90	hod@gmail.com
HOD	90	hod@gmail.com
HOD	90	hod@gmail.com
PRINCIPAL	80	pp@gmail.com
PRINCIPAL	80	pp@gmail.com
PRINCIPAL	80	pp@gmail.com

3.Load excel comma separated file to db2?

IBM Db2 on Cloud

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

Source Target Define Finalize

You are loading the file test.csv into ZJB02492.PLASMADONOR

Review settings

Summary

Code page: 1208 (Default)

Separator: , (Default)

Time format: HH:MM:SS (Default)

Date format: YYYY-MM-DD (Default)

Timestamp format: YYYY-MM-DD HH:MM:SS (Default)

String delimiter: (Default)

Option

Maximum number of warnings: 1000

Back Begin Load

IBM Db2 on Cloud

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

ZJB02492.PLASMADONOR

Export to CSV

ACTOR CHARACTER(52)	EMAIL CHARACTER(39)	PHNO DECIMAL(8,0)
1 ADMIN	jinto@ibm.com	2000
2 NEEDER	darch@ibm.com	2000
3 darch	think@ibm.com	5000
4 donar	jayasri@ibm.com	2000
5 donor	jayasri@ibm.com	2000
6 donor	jayasri@ibm.com	2000
7 jayasri	test@ibm.com	2000

IBM Db2 on Cloud

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

Source Target Define Finalize

You are loading the file test.csv into ZJB02492.PLASMADONOR

Code page (character encoding): 1208 (UTF-8) Separator: , Header in first row: ☒ Time & date format: ☐

ACTOR CHARACTER	EMAIL CHARACTER	PHNO DECIMAL
1 jayasri	test@ibm.com	2000
2 darch	think@ibm.com	5000
3 donar	jayasri@ibm.com	2000

Back Next

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

Load details

COMPLETE

My computer

Target

test.csv

ZJB02492.PLASMADONOR

View Table

Load More Data

Status

Settings

3

Rows read

3

Rows loaded

0

Rows rejected

Start time

09/19/2022 10:49:13 PM

End time

09/19/2022 10:49:18 PM

The data load job succeeded.

You can now work with your data.

Errors

Warnings

No errors

test.csv

Show all

X