

ASSIGNMENT NO 2

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PROJECT: NUTRITION ASSISTANT APPLICATION

PROJECT ID: PNT2022TMID19500

ANSWER NO 1

TABLE NO 1:

INSERT INTO TABLENO1

VALUES(18,'Ram',88000,'ADMIN'),

(56,'SEETA',9000,'HELPDESK'),

(10,'MRUNAL',56000,'HR'),

(16,'PANDYA',78000,'DEVOP'),

(50,'LAXMI',88000,'TESTER');

The screenshot displays the IBM Db2 on Cloud web interface. The top section shows a SQL script editor with the following code:

```
1 INSERT INTO TABLENO1
2 VALUES(18,'Ram',88000,'ADMIN'),
3 (56,'SEETA',9000,'HELPDESK'),
4 (10,'MRUNAL',56000,'HR'),
5 (16,'PANDYA',78000,'DEVOP'),
6 (50,'LAXMI',88000,'TESTER');
```

Below the script editor, a 'History' table shows the execution results:

Script	Date	Status	Runtime
Untitled - 1	Sep 27, 2022 9:30:00 PM	1	0.607 s
INSERT INTO TABLENO1 VALUES(18,'Ram',88000,'ADMIN'), (56,'SEETA',9000,'HELPDESK'), (10,'MRUNAL',56000,'HR'), (16,'PANDYA',78000,'DEVOP'), (50,'LAXMI',88000,'TESTER');	Sep 27, 2022 9:31:01 PM	4	0.697 s
INSERT INTO table1 (Name,EMAIL,JO) VALUES ('Ram', 'CSE@GMAIL', '6534')			0.609 s
INSERT INTO table1 (Name,EMAIL,JO) VALUES ('Ramu', 'CSE@GMAIL', '6536')			0.615 s

The bottom section shows the 'TABLENO1' table data:

EMPID	ENAME	SALARY	JOB
10	MRUNAL	56000	HR
16	PANDYA	78000	DEVOP
18	Ram	88000	ADMIN
50	LAXMI	88000	TESTER
56	SEETA	9000	HELPDESK

TABLE NO 2:

INSERT INTO TABLENO2

VALUES

(167,'KUSHI',005),

(170,'ZAARA',008),

(188,'ANUPAMAA',034),(100,'KANOOE',009),

(190,'VIDHYA',002);

The screenshot shows the IBM Db2 on Cloud SQL editor interface. The left sidebar displays the 'Data objects' tree with a search filter 'GBJ21927'. The main editor area shows a script titled '*Untitled - 1' with the following SQL statement:

```
1 INSERT INTO TABLENO2
2 VALUES
3 (167,'KUSHI',005),
4 (170,'ZAARA',008),
5 (188,'ANUPAMAA',034),(100,'KANOOE',009),
6 (190,'VIDHYA',002);
7
```

Below the script editor, the 'History' tab is active, showing a table of execution history:

Script	Date	Status	Runtime
Untitled - 1	Sep 27, 2022 9:47:53 PM	1	0.013 s
INSERT INTO TABLENO2 VALUES (167,'KUSHI',005), (170,'ZAARA',008), (188,'ANU...		1	0.013 s
Untitled - 1	Sep 27, 2022 9:46:33 PM	1	0.025 s
INSERT INTO TABLENO2 VALUES (167,'KUSHI',005), (170,'ZAARA',008), (188,'ANU...		1	0.025 s
Untitled - 1	Sep 27, 2022 9:38:00 PM	1	0.007 s

The screenshot shows the IBM Db2 on Cloud SQL editor interface displaying the results of the INSERT statement. The left sidebar shows the 'Data objects' tree with a search filter 'GBJ21927'. The main editor area shows the table 'GBJ21927.TABLENO2' with the following data:

STID	STNAME	RANK
100	KANOOE	9
167	KUSHI	5
170	ZAARA	8
188	ANUPAMAA	34
190	VIDHYA	2

TABLE NO 3:

INSERT INTO TABLENO3

VALUES

(12395,'RA1',9,'HINDI'),

(125456,'VIRUMAN',8,'TAMIL'),

(190345,'LIGER',7,'TELUGU'),

(167345,'KOSHI',9,'MALYALAM');

The screenshot shows the IBM Db2 on Cloud interface. The SQL editor contains the following statement:

```
1 INSERT INTO TABLENO3
2 VALUES
3 (12395,'RA1',9,'HINDI'),
4 (125456,'VIRUMAN',8,'TAMIL'),
5 (190345,'LIGER',7,'TELUGU'),
6 (167345,'KOSHI',9,'MALYALAM');
```

The History tab is active, showing a table of execution history:

Script	Date	Status	Runtime
Untitled - 1	Sep 27, 2022 9:54:03 PM	✓ 1	0.012 s
INSERT INTO TABLENO3 VALUES (12395,'RA1',9,'HINDI'), (125456,'VIRUMAN',8,'T...		✓	0.012 s
Untitled - 1	Sep 27, 2022 9:47:53 PM	✓ 1	0.013 s
INSERT INTO TABLENO2 VALUES (167,'KUSHI',005), (170,'ZAARA',008), (188,'ANGU...		✓	0.013 s
Untitled - 1	Sep 27, 2022 9:46:33 PM	✗ 1	0.025 s

The screenshot shows the IBM Db2 on Cloud interface displaying the table data for GBJ21927.TABLENO3. The table has the following columns: MOVID, MOVNAME, IMDBRATE, and LANGUAGE. The data is as follows:

MOVID	MOVNAME	IMDBRATE	LANGUAGE
12395	RA1	9	HINDI
125456	VIRUMAN	8	TAMIL
167345	KOSHI	9	MALYALAM
190345	LIGER	7	TELUGU

TABLE NO 4:

INSERT INTO TABLENO4

VALUES

(123,'PEN',12),

(189,'PENCIL',9),

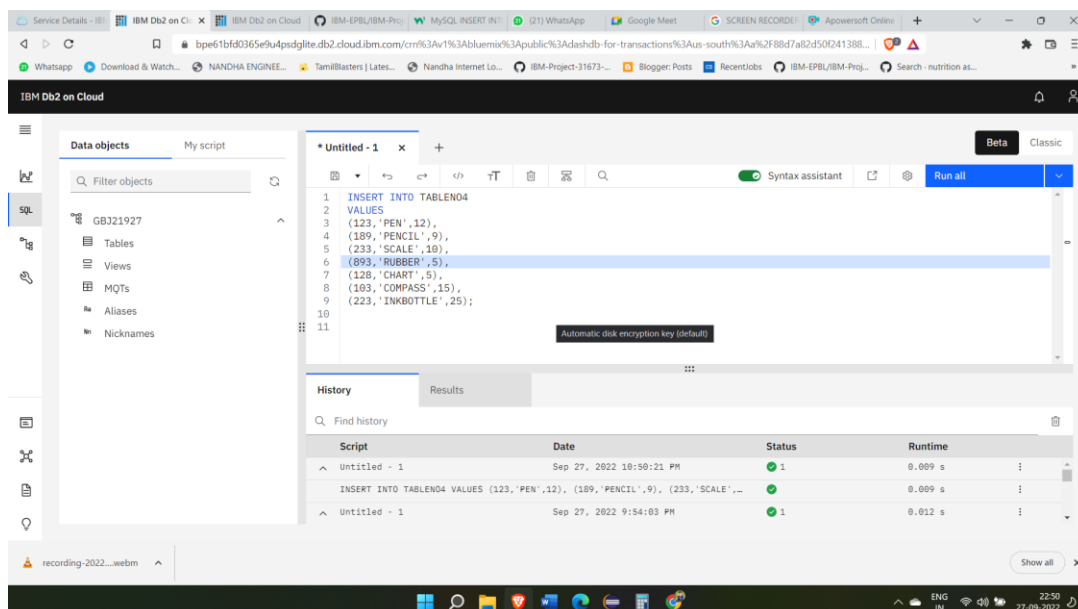
(233,'SCALE',10),

(893,'RUBBER',5),

(128,'CHART',5),

(103,'COMPASS',15),

(223,'INKBOTTLE',25);



The screenshot shows the IBM Db2 on Cloud console interface, specifically the 'Tables' tab. The table 'GBJ21927.TABLENO4' is selected. The table has three columns: ITEMID, ITEMNAME, and PRICE. The data is as follows:

ITEMID	ITEMNAME	PRICE
103	COMPASS	15
123	PEN	12
128	CHART	5
189	PENCIL	9
223	INKBOTTLE	25
233	SCALE	10
893	RUBBER	5

TABLE NO 5:

INSERT INTO TABLENO5

VALUES

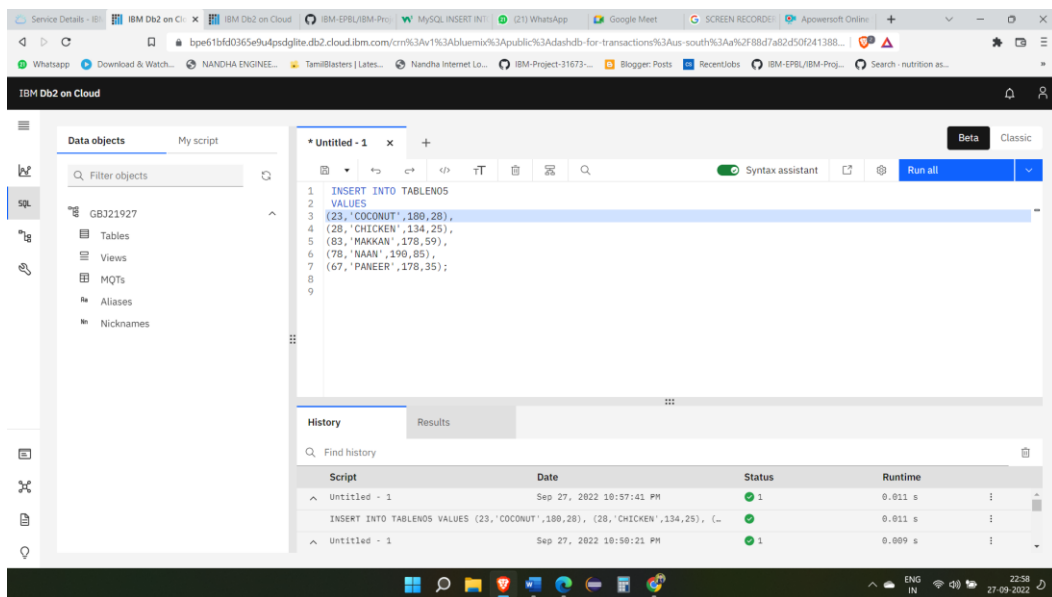
(23,'COCONUT',180,28),

(28,'CHICKEN',134,25),

(83,'MAKKAN',178,59),

(78,'NAAN',190,85),

(67,'PANEER',178,35);



The screenshot shows the IBM Db2 on Cloud web interface displaying the data for the table 'GBJ21927.TABLENO5'. The table has four columns: 'DISHNO', 'DISHNAME', 'PRICE', and 'AVAILABILITY'. The data is as follows:

DISHNO	DISHNAME	PRICE	AVAILABILITY
23	COCONUT	180	28
28	CHICKEN	134	25
67	PANEER	178	35
78	NAAN	190	85
83	MAKKAN	178	59

ANSWER NO 2

TABLE NO 1:

UPDATE TABLENO1

SET ENAME='SANJAY'

WHERE SALARY=88000;

DELETE FROM TABLENO1

WHERE ENAME='MRUNAL';

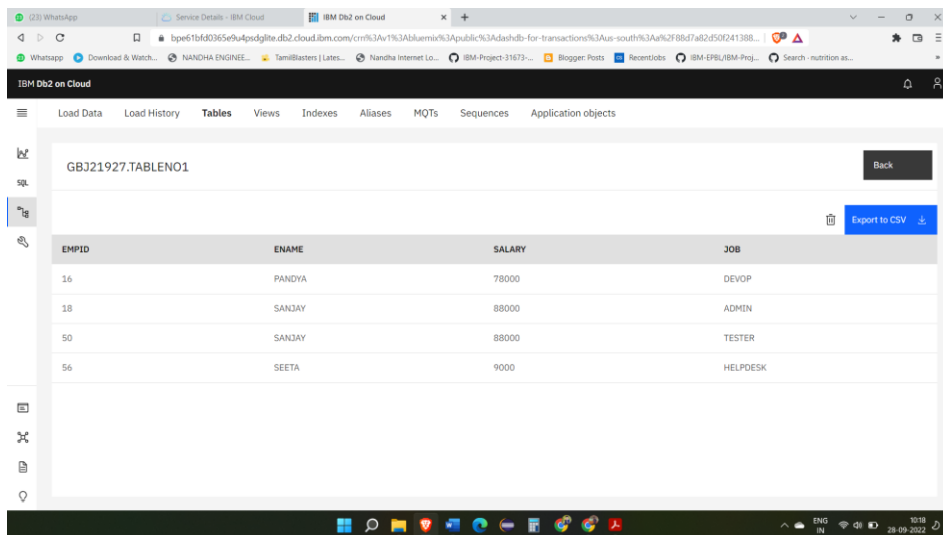
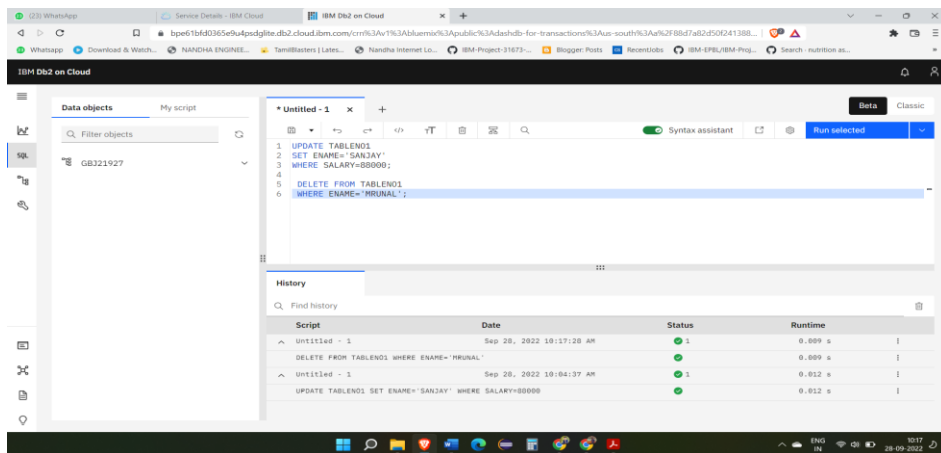


TABLE NO 2:

INSERT INTO TABLENO2

VALUES

('Saran',87,'Bangalore',0.13),

('Vijay',100,'Chennai',0.14),

('Bharath',78,'Mumbai',0.12),

('Ramya',99,'London',0.15),

('Lakshmi', 80,'Pune',0.19);

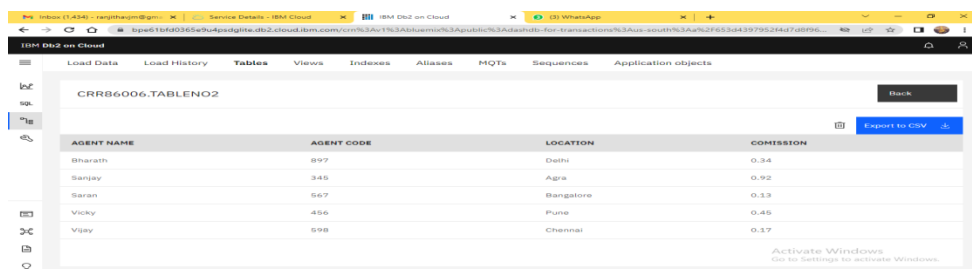
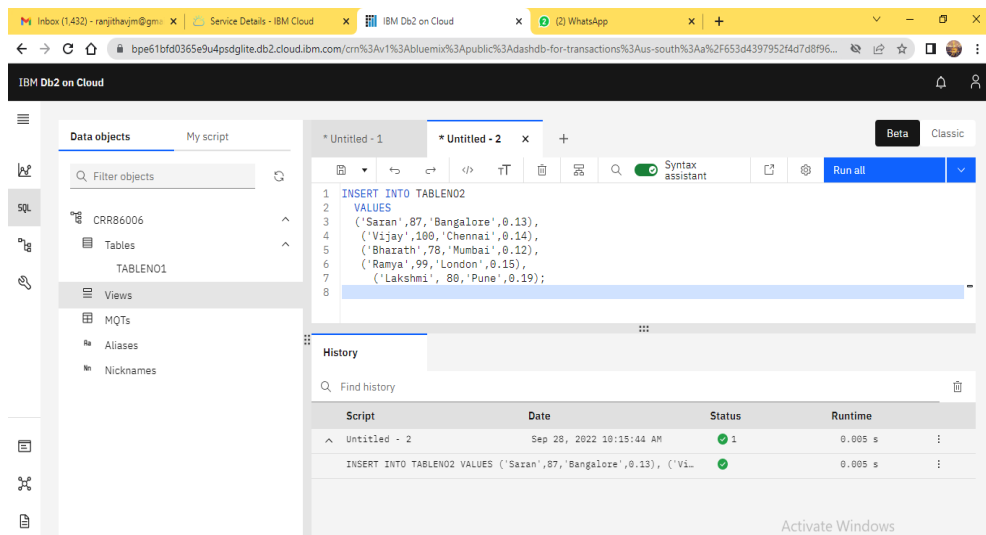


TABLE NO 3:

INSERT INTO TABLENO3

VALUES

('APPLE',3456,180,134,45),

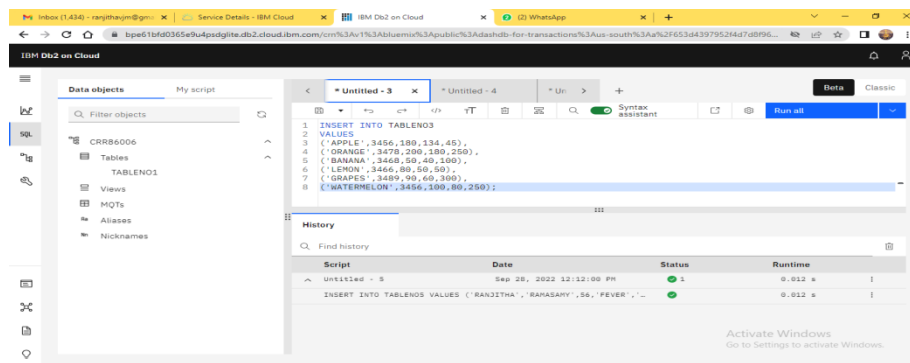
('ORANGE',3478,200,180,250),

('BANANA',3468,50,40,100),

('LEMON',3466,80,50,50),

('GRAPES',3489,90,60,300),

('WATERMELON',3456,100,80,250);



The screenshot shows the IBM Db2 on Cloud console with the 'Tables' tab selected. The table 'CRR86006.TABLENO3' is displayed. The data is as follows:

PRODUCT NAME	PRODUCT CODE	BUY PRICE	MRP	STOCK
APPLE	3456	180	134	45
APPLE	3456	180	134	45
BANANA	3468	50	40	100
GRAPES	3489	90	60	300
LEMON	3466	80	50	50
ORANGE	3478	200	180	250
WATERMELON	3456	100	80	250

An 'Export to CSV' button is visible at the top right of the table view.

TABLE NO 4:

INSERT INTO TABLENO4

VALUES

(897,'BHARATH','RAJ','9976586134','NO'),

(888,'VIJAY','PRABU','6381095311','NO'),

(883,'VIGNESH','KUMAR','8838409020','NO'),

(881,'SHEELA','DEVI','9750048062','NO'),

(878,'PRANESH','RAJA','9942332237','NO');

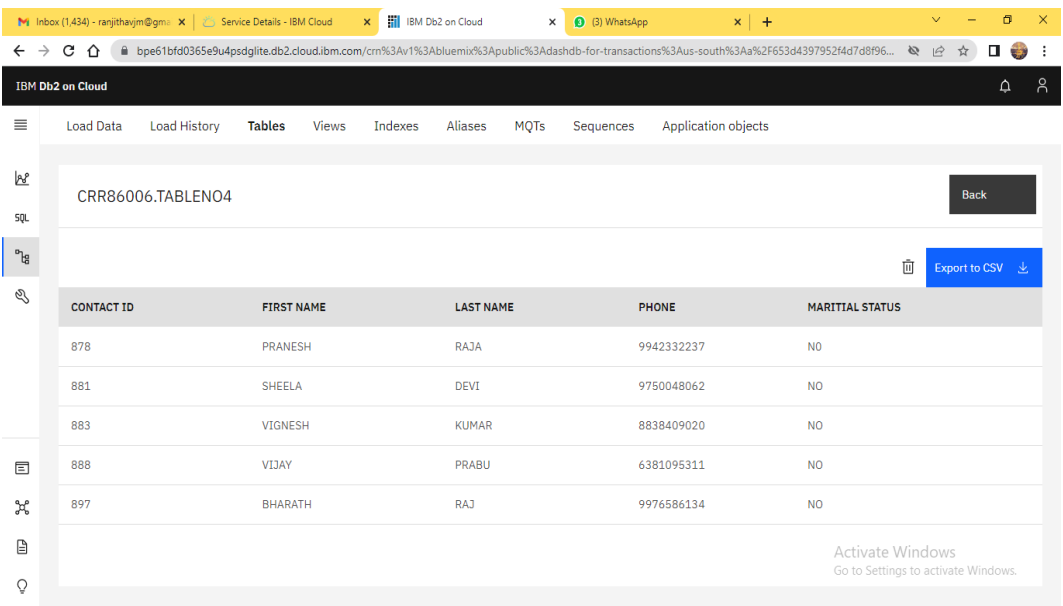
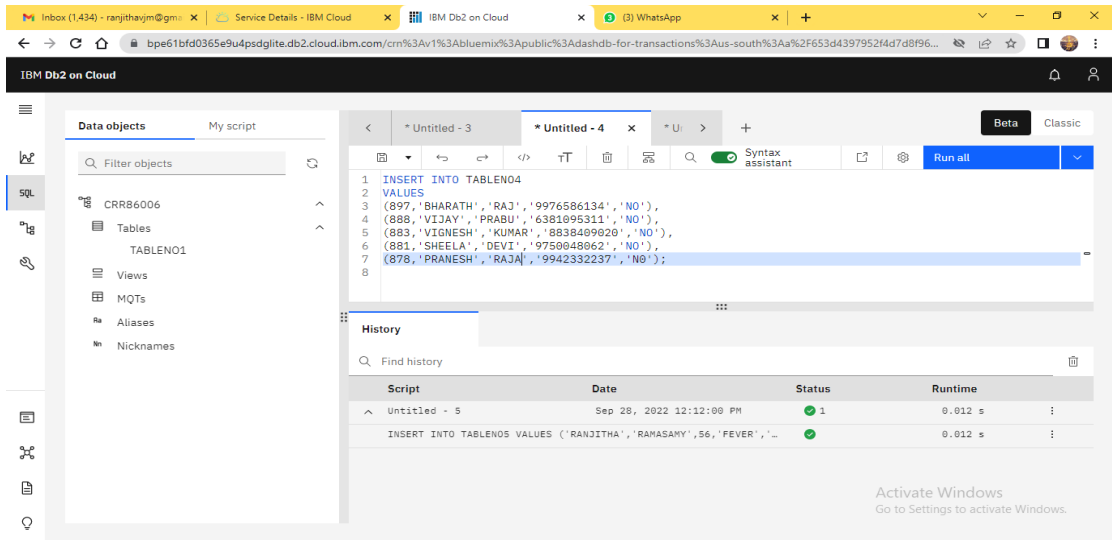


TABLE NO 5:

INSERT INTO TABLENO5

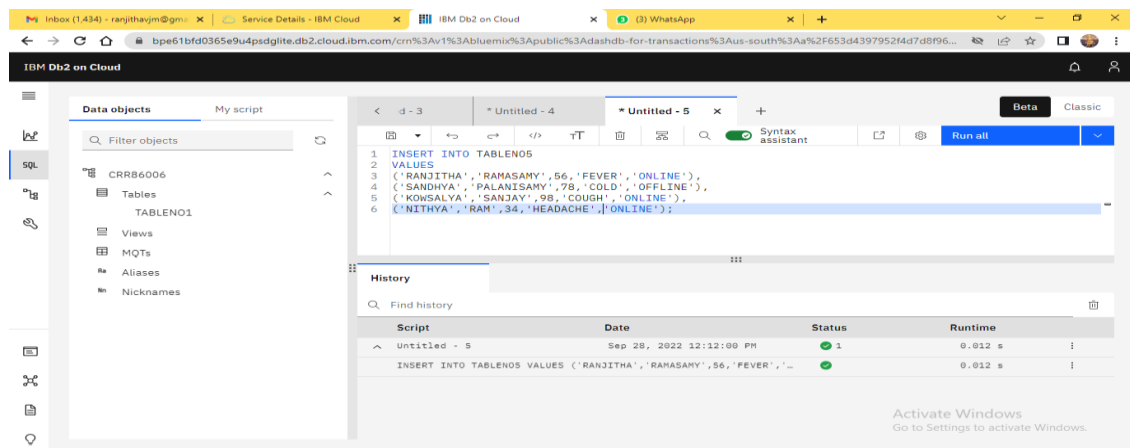
VALUES

('RANJITHA','RAMASAMY',56,'FEVER','ONLINE'),

('SANDHYA','PALANISAMY',78,'COLD','OFFLINE'),

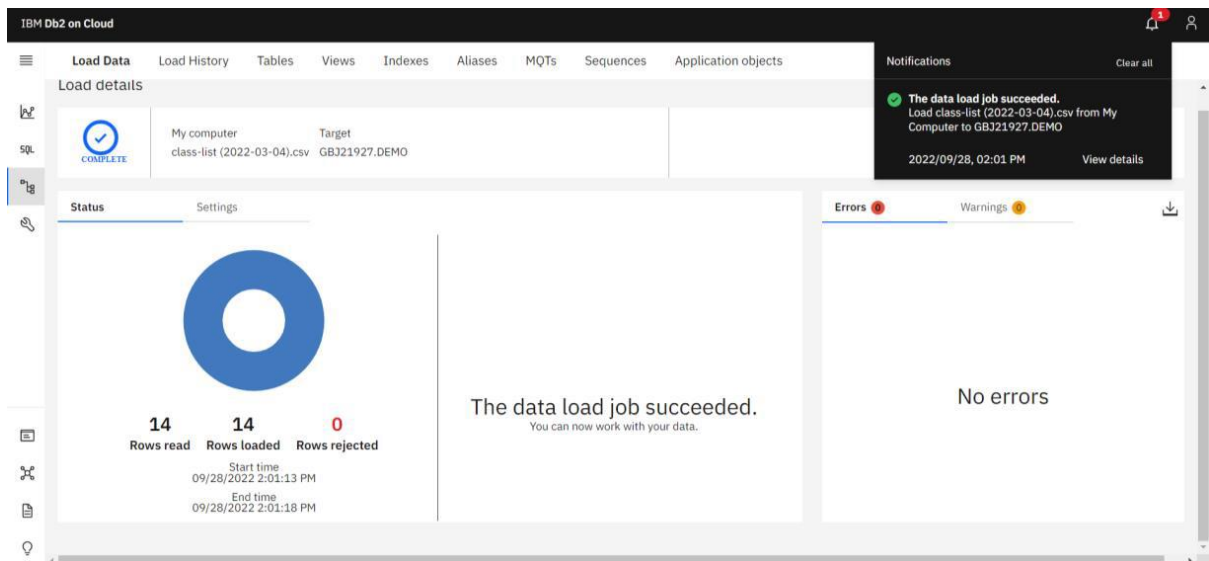
('KOWSALYA','SANJAY',98,'COUGH','ONLINE'),

('NITHYA','RAM',34,'HEADACHE','ONLINE');



.....

ANSWER 3:



The screenshot shows the 'Tables' view for the database 'GBJ21927.DEMO'. It displays a table with 8 columns: 'Attendance for:', 'class-list', 'COLUMN_2', 'COLUMN_3', 'COLUMN_4', 'COLUMN_5', 'COLUMN_6', and 'COLUMN_7'. The table contains 5 rows of data. Below the table, there is a section for 'Date: 2022-03-04', 'Time: 11:26', and 'Meet ID: uez-gzfw-cro'. A 'Help/more info' link is provided: <https://tinyurl.com/y5peu3nk>. An 'Export to CSV' button is also visible.

Attendance for:	class-list	COLUMN_2	COLUMN_3	COLUMN_4	COLUMN_5	COLUMN_6	COLUMN_7
19cs036	✓			11:28	11:54	27	1
19cs053	✓			11:30	11:54	25	1
19cs055	✓			11:30	11:54	25	1
19cs057	✓			11:30	11:54	25	1
19cs078	✓			11:30	11:54	25	1

Date: 2022-03-04 Time: 11:26 Meet ID: uez-gzfw-cro

Help/more info: <https://tinyurl.com/y5peu3nk>

ANSWER NO 4

```
import ibm_db
```

```
hostname = '2f3279a5-73d1-4859-88f0-a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud'
```

```
uid = 'gbj21927'
```

```
pwd = 'skRdfv9YUhrJjxeo'
```

```
driver = "{IBM DB2 ODBC DRIVER}"
```

```
db = 'bludb'
```

```
port = '30756'
```

```
protocol = 'TCP/IP'
```

```
cert = 'CRT1.crt'
```

```
dsn = (
```

```
    "DATABASE = {0};",
```

```
    "HOSTNAME = {1};",
```

```
    "PORT = {2};",
```

```
    "UID = {3};",
```

```
    "SECURITY = SSL;",
```

```
    "SSLServerCertificate = {4};",
```

```
    "PWD = {5};"
```

```
).format(db, hostname, port, uid, cert, pwd)
```

```
print(dsn)
```

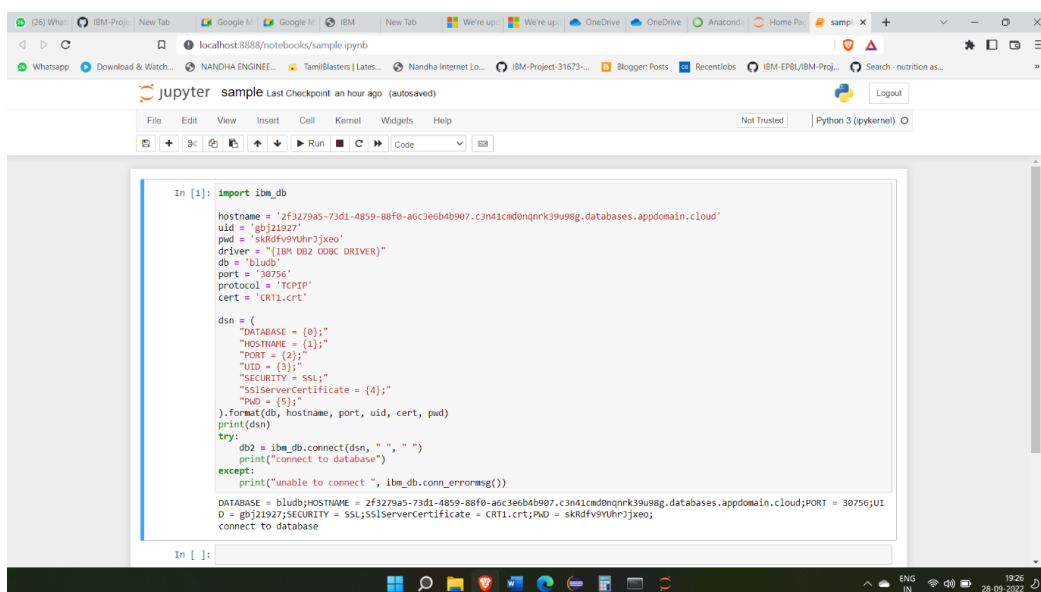
```
try:
```

```
    db2 = ibm_db.connect(dsn, " ", " ")
```

```
    print("connect to database")
```

```
except:
```

```
    print("unable to connect ", ibm_db.conn_errormsg())
```



```
In [1]: import ibm_db

hostname = '2f3279a5-73d1-4859-88f0-a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud'
uid = 'gbj21927'
pwd = 'skRdfv9YUhrj3x0'
driver = '{IBM DB2 ODBC DRIVER}'
db = 'bludb'
port = '30756'
protocol = 'TCP/IP'
cert = 'CRT1.crt'

dsn = (
    "DATABASE = {0};"
    "HOSTNAME = {1};"
    "PORT = {2};"
    "UID = {3};"
    "SECURITY = SSL;"
    "SSLServerCertificate = {4};"
    "PWD = {5};"
).format(db, hostname, port, uid, cert, pwd)
print(dsn)

try:
    db2 = ibm_db.connect(dsn, " ", " ")
    print("connect to database")
except:
    print("unable to connect ", ibm_db.conn_errormsg())

DATABASE = bludb;HOSTNAME = 2f3279a5-73d1-4859-88f0-a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT = 30756;UID = gbj21927;SECURITY = SSL;SSLServerCertificate = CRT1.crt;PWD = skRdfv9YUhrj3x0;
connect to database

In [ ]:
```

