

ASSIGNMENT NO 2

NAME: PONMATHI.R

PROJECT: NUTRITION ASSISTANT APPLICATION

PROJECT ID: PNT2022TMID12243

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 being executed in a window titled 'Untitled - 1'. The script contains an INSERT statement with five rows of data. Below the script, a 'History' table shows the execution details for four runs of the script, all of which were successful.

Script	Date	Status	Runtime
Untitled - 1	Sep 27, 2022 9:30:00 PM	1	0.007 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');		2	0.007 s
Untitled - 1	Sep 27, 2022 9:31:01 PM	4	0.697 s
INSERT INTO table1 (Name,EMAIL,JO) VALUES ('Ram','CSE@GMAIL','6534')		3	0.609 s
INSERT INTO table1 (Name,EMAIL,JO) VALUES ('Ramu','CSE@GMAIL','6534')		4	0.615 s

The bottom section of the screenshot shows the 'TABLENO1' table in the 'GBJ21927' database. The table has four columns: EMPID, ENAME, SALARY, and JOB. It contains five rows of data corresponding to the values inserted in the script above.

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
```

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

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...		✓	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...		✗	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 with the 'Tables' tab selected. The table 'GBJ21927.TABLENO2' is displayed. The table structure is as follows:

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 SQL editor interface. The main window displays an SQL script with the following content:

```
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');
7
```

Below the script editor, the 'History' tab is active, showing a table of executed scripts:

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', 000), (188, 'ANU...		✓	0.013 s
Untitled - 1	Sep 27, 2022 9:46:33 PM	✗ 1	0.025 s

The screenshot shows the IBM Db2 on Cloud SQL editor interface with the 'Tables' tab selected. The table 'GBJ21927.TABLENO3' is displayed with the following data:

MOVID	MOVNAME	IMBDRATE	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 SQL editor interface. On the left, a sidebar displays 'Data objects' for database 'GBJ21927', including Tables, Views, MQTs, Aliases, and Nicknames. The main editor area shows an SQL script in a file named 'Untitled - 1'. The script is an INSERT statement into 'TABLENO4' with 9 rows of data. Below the script, the 'History' tab is active, showing a table of execution results.

Script	Date	Status	Runtime
Untitled - 1	Sep 27, 2022 10:58:21 PM	1	0.009 s
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);		1	0.009 s
Untitled - 1	Sep 27, 2022 9:54:03 PM	1	0.012 s

The screenshot shows the IBM Db2 on Cloud interface displaying the data inserted into 'TABLENO4'. 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

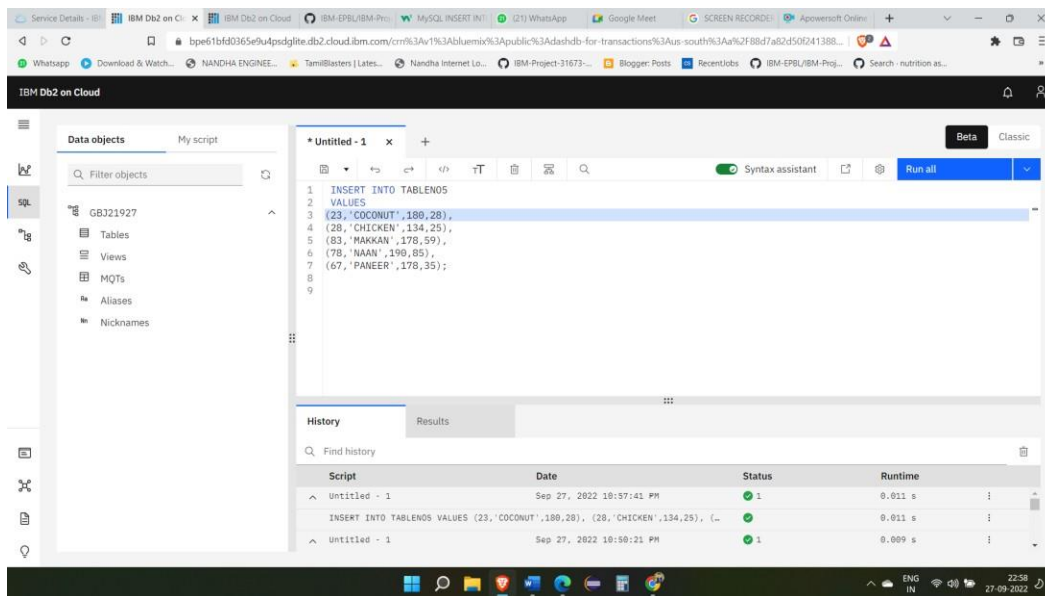
(23,'COCONUT',180,28),

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

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

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

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



The screenshot shows the IBM Db2 Cloud console interface displaying the data table. The table is titled 'GBJ21927.TABLENO5'. It has 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';

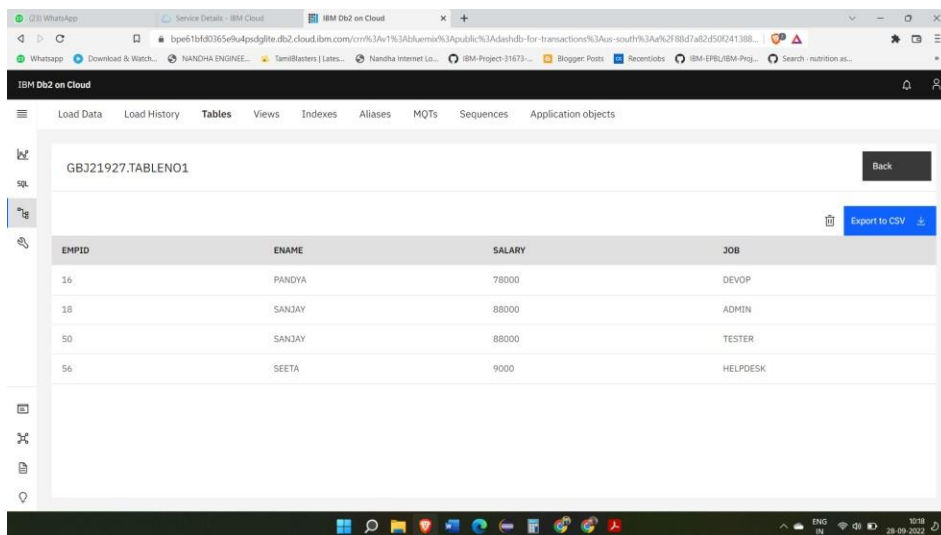
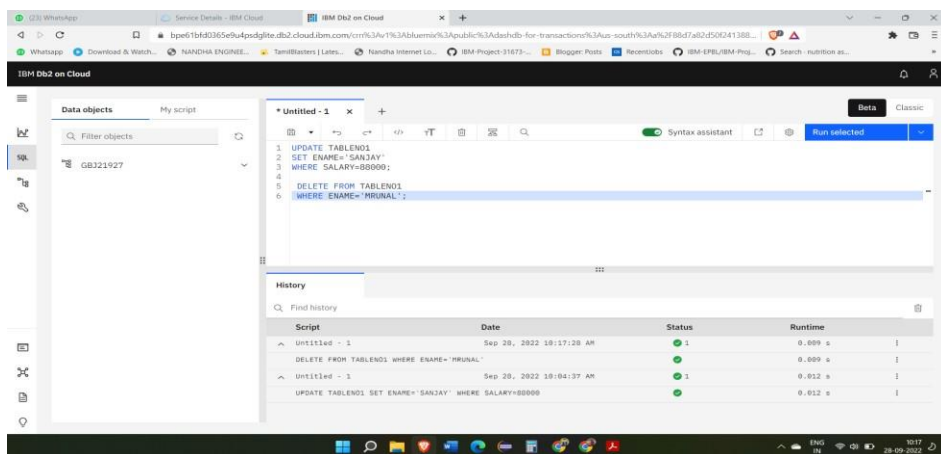


TABLE NO 2:

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);

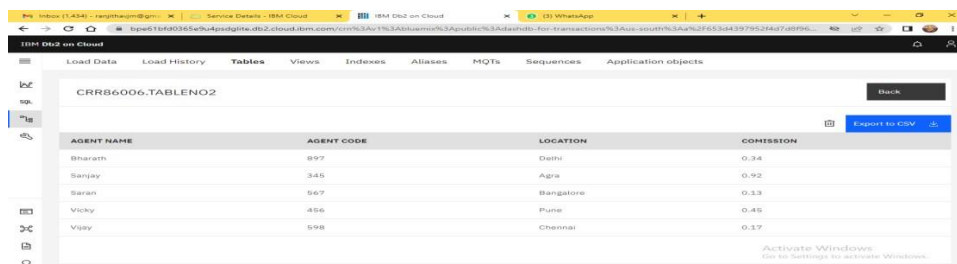
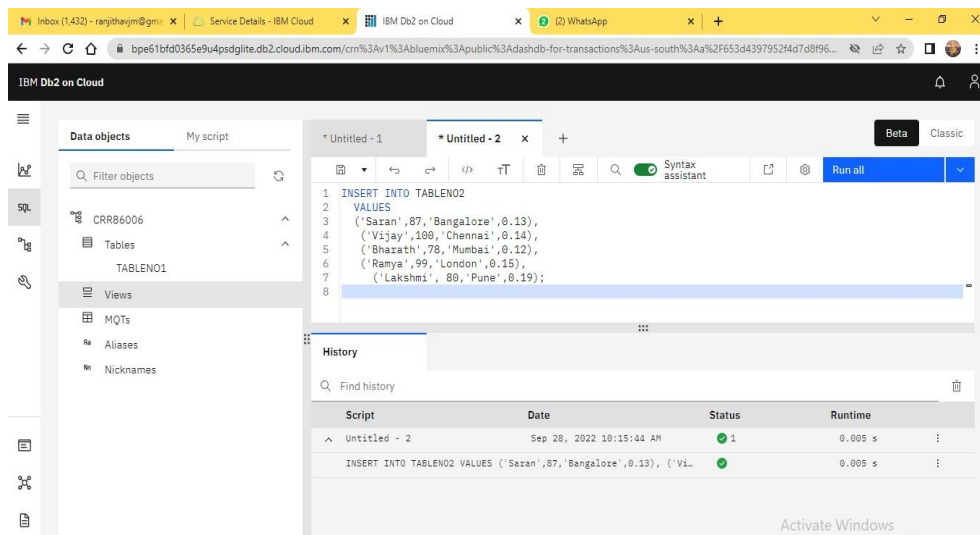


TABLE NO 3:

INSERT INTO TABLENO3

VALUES

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

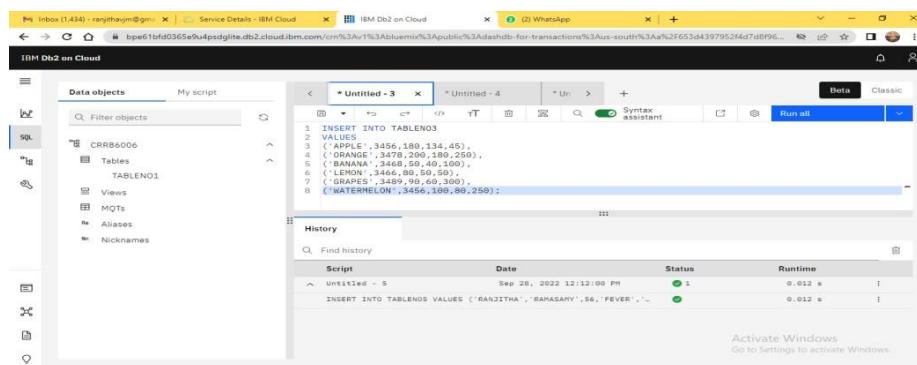
('ORANGE',3478,200,180,250),

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

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

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

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



IBM Db2 on Cloud console showing the data loaded into TABLENO3. The table has columns: PRODUCT NAME, PRODUCT CODE, BUY PRICE, MRP, and STOCK. 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

TABLE NO 4:

INSERT INTO TABLENO4

VALUES

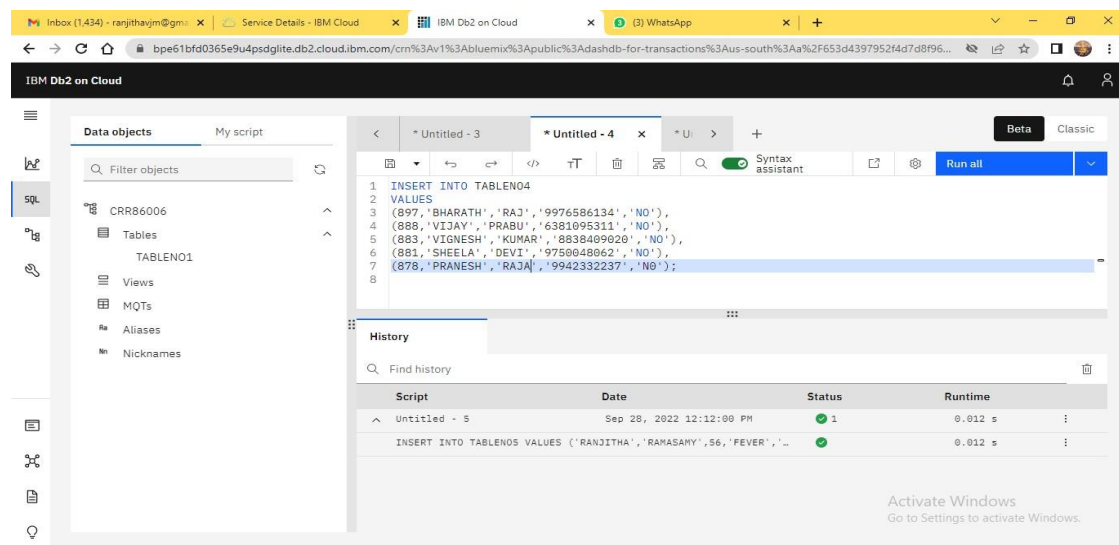
(897,'BHARATH','RAJ','9976586134','NO'),

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

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

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

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



The screenshot shows the IBM Db2 on Cloud console displaying the data in the 'CRR86006.TABLENO4' table. The table has the following columns: CONTACT ID, FIRST NAME, LAST NAME, PHONE, and MARITAL STATUS. The data is as follows:

CONTACT ID	FIRST NAME	LAST NAME	PHONE	MARITAL STATUS
878	PRANESH	RAJA	9942332237	NO
881	SHEELA	DEVI	9750048062	NO
883	VIGNESH	KUMAR	8838409020	NO
888	VIJAY	PRABU	6381095311	NO
897	BHARATH	RAJ	9976586134	NO

TABLE NO 5:

INSERT INTO TABLENO5

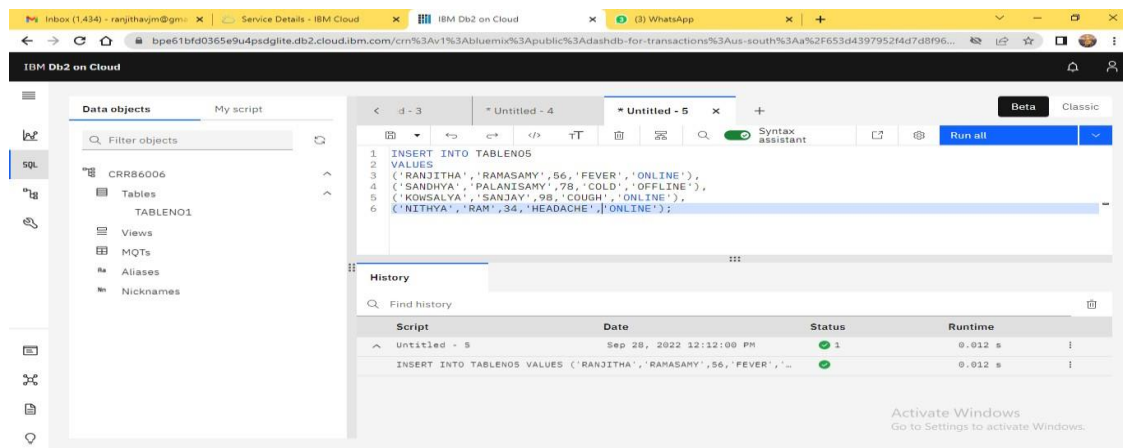
VALUES

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

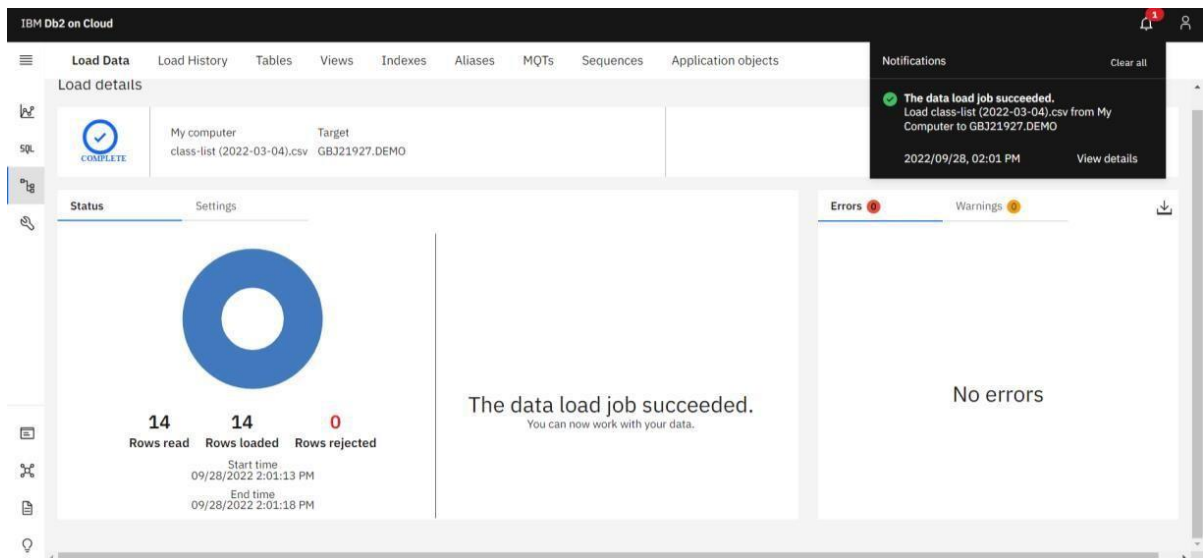
('SANDHYA','PALANISAMY',78,'COLD','OFFLINE'),

('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', 'COLUMN_7', and 'COLUMN_8'. The table contains 5 rows of attendance 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. At the bottom, there is a table with 9 columns: 'Names', '2022-03-04', 'Email', 'Comments', 'Arrival time', 'Last Seen', '# of Checks', 'Joined', and 'Details'.

Attendance for:	class-list	COLUMN_2	COLUMN_3	COLUMN_4	COLUMN_5	COLUMN_6	COLUMN_7	COLUMN_8
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>

Names	2022-03-04	Email	Comments	Arrival time	Last Seen	# of Checks	Joined	Details
-------	------------	-------	----------	--------------	-----------	-------------	--------	---------

ANSWER NO 4

```
import ibm_db
```

```
hostname = '2f3279a5-73d1-4859-88f0-a6c3e6b4b907.c3n41cmd0nqnrc39u98g.databases.appdomain.cloud'
```

```
uid = 'gbj21927'
```

```
pwd = 'skRdfv9YUhrJjxeo'
```

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

```
db = 'bludb'
```

```
port = '30756'
```

```
protocol = 'TCPIP'
```

```
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)
```

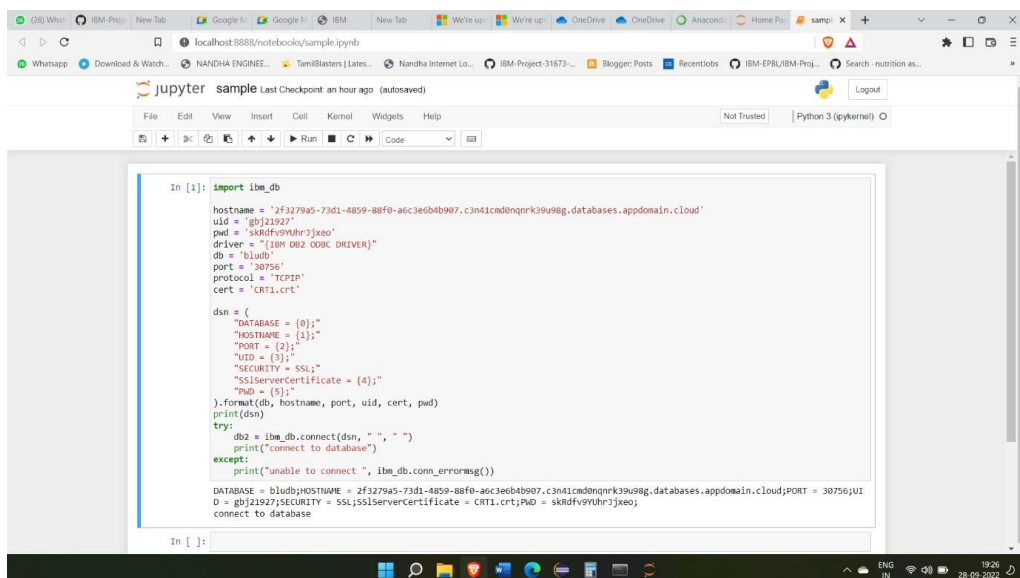
```
try:
```

```
    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-a6c3e0b4b907.c3n41cmd0nqrk39u98g.databases.appdomain.cloud'
uid = 'gbj21927'
pwd = 'skRdfv9YUhrj3xao'
driver = '{IBM DB2 ODBC DRIVER}'
db = 'bludb'
port = '30756'
protocol = 'TCPIP'
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-a6c3e0b4b907.c3n41cmd0nqrk39u98g.databases.appdomain.cloud;PORT = 30756;UID = gbj21927;SECURITY = SSL;SSLServerCertificate = CRT1.crt;PWD = skRdfv9YUhrj3xao;
connect to database
```