

Database DB2

Team ID	PNT2022TMID04893
Project Name	Customer care registry

SQL Query to create table:

– complaint Table

```
CREATE TABLE complaints(  
  id INT NOT NULL AUTO_INCREMENT,  
  username TEXT NOT NULL, email TEXT NOT NULL,  
  against_person TEXT NOT NULL,  
  des TEXT NOT NULL, date TEXT NOT NULL,  
  solved TEXT NOT NULL,  
  PRIMARY KEY (complaint_id)  
);
```

– customer details Table

```
CREATE TABLE customerdeatils (  
  id INT NOT NULL AUTO_INCREMENT,  
  name TEXT NOT NULL,  
  email TEXT NOT NULL,  
  passwrđ TEXT NOT NULL,  
  PRIMARY KEY (id)  
);
```

-- Insert data into customer table

```
INSERT INTO customerdeatils VALUES (null, 'Clark', 'abc@abc.com', 'abc');  
INSERT INTO customerdeatils VALUES (null, 'Clark2', 'abc2@abc.com', 'abc');  
INSERT INTO customerdeatils VALUES (null, 'Clark3', 'abc3@abc.com', 'abc');
```

-- Insert data into customer table

```
INSERT INTO complaints VALUES ( 'Clark', 'kent' , 'abc@abc.com', 'abc', 'water', '0');  
INSERT INTO complaints VALUES ( 'Clark', 'kent' , 'abc@abc.com', 'abc', 'water', '1');
```

-- Fetch data from customer table

```
SELECT * FROM customerdeatils;
```

– Fetch data from Complaints

```
SELECT * FROM Complaints;
```

IBM cloud Db2:

The screenshot displays the IBM Db2 on Cloud management console. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is active, showing a list of tables in the 'DMT13873' schema: 'COMPLAINTS' and 'CUSTOMERDEATILS'. The 'Table definition' panel for 'COMPLAINTS' is open, showing the following columns:

Name	Data type	Nullable	Length	Scale
ID	INTEGER	N		0
USERNAME	VARCHAR	N	150	0
EMAIL	VARCHAR	N	150	0
AGAINST_PERSON	VARCHAR	N	150	0
DESC	VARCHAR	N	150	0

A 'View data' button is visible below the table definition. The console also shows a search bar for schemas or tables and a 'Refresh' button.

DataBase Schema

Table definition

COMPLAINTS

No statistics available.

Name	Data type	Nullable	Length	Scale	
ID	INTEGER	N		0	
USERNAM E	VARCHAR	N	150	0	
EMAIL	VARCHAR	N	150	0	
AGAINST_ PERSON	VARCHAR	N	150	0	
DESC	VARCHAR	N	150	0	

Table definition

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COMPLAINTS

No statistics available.

Name	Data type	Nullable	Length	Scale	
AGAINST_PERSON	VARCHAR	N	150	0	👁
DES	VARCHAR	N	150	0	👁
DATE	VARCHAR	N	150	0	👁
SOLVED	VARCHAR	N	150	0	👁

Table definition

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CUSTOMERDEATILS

No statistics available.

Name	Data type	Nullable	Length	Scale	
ID	INTEGER	N		0	👁
USERNAME	VARCHAR	N	150	0	👁
EMAIL	VARCHAR	N	150	0	👁
PASSWRD	VARCHAR	N	150	0	👁

Connection configuration resources

Host name: b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud

With SSL: Yes

Port number: 31249

Database name: bludb

User ID: <user name>

Password: *****

Version: Compatible with Db2, Version 11.5.0 or later

[Download SSL Certificate](#)

Connection to Db2:

```
4 # dsn_hostname = "b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud"
5 # dsn_uid = "dmt13873"
6 # dsn_pwd = "740yz1Yq8Uj2E4qm"
7 # dsn_database = 'bludb'
8 # dsn_port = 31249
9 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=31249;SE
10 print(conn)
11 print("connection successful...")
```

```
query = "SELECT * FROM customerdeatils WHERE email=? AND passwd=?"
stmt = ibm_db.prepare(conn, query) # type:ignore
ibm_db.bind_param(stmt,1,mail) # type:ignore
ibm_db.bind_param(stmt,2,password) # type:ignore
ibm_db.execute(stmt) # type:ignore
user = ibm_db.fetch_assoc(stmt) # type:ignore
print(user,password)
```