

ASSIGNMENT 1

The screenshot shows the IBM Db2 on Cloud interface. At the top, there are several tabs: 'IBM Db2 on Cloud' (selected), 'Service Details - IBM Cloud', 'bs21pcu0apon0jif0lite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fd920d65ddbc3cda2ea525d6ec20f94d9%3Ad90fc675-b84d-4529-a73f-95c77136a779%3Aa%3A...', 'My Profile', and 'Sign out'. A user icon with the name 'vem.marasi...' is also visible.

In the main area, there are sections for 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' section is currently selected, showing a table with one row:

Name	Type
QZV73129	User

Below the table, it says 'Total: 1, selected: 0'.

At the bottom, there are navigation icons for 'SQL', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'.

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1 Service Details - IBM Cloud X IBM Db2 on Cloud X + bs21pcui0ap0n0jufi80lite.db2.cloud.ibm.com/crn%3Av1%63Abuemix%63Apulic%63Adashdb-for-transactions%3Aeu-9b%3Aa%2Fd920d6ddb3c4a2ea525d6ec20f94d9%3Ad90fc675-b84d-4529-a73f-95c77136a779%3A%2F

IBM Db2 on Cloud

Run SQL

SQL * Untitled - 1

1 -- Vem Aiensi Marasigan | 2BSCS-2
2 CREATE TABLE PRODUCT (prodCode VARCHAR(6) NOT NULL PRIMARY KEY,
3 description VARCHAR(20), unit VARCHAR(3));
4
5 CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRODUCT');
6

Add new script + Script summary Beta Classic

Result - Sep 1, 2022 9:52:42 AM

^ -- Vem Aiensi Marasigan | 2BSCS-2 CREATE TABLE PRODUCT ... Run time: 0.172 s

Status: Success | Affected rows: 0

^ CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRODUCT') Run time: 0.010 s

Result set 1

COLNAME	TYPESCHEMA	TYPENAME	LENGTH	SCALE	NULLABLE
PRODCODE	SYSIBM	VARCHAR	6	0	N
DESCRIPTION	SYSIBM	VARCHAR	20	0	Y
UNIT	SYSIBM	VARCHAR	3	0	Y

Run all Remember my selection

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The screenshot shows the IBM Db2 on Cloud interface with the following details:

- Service Details - IBM Cloud**: IBM Db2 on Cloud
- URL**: bs2ipcu0apon0jufi80lite.db2.cloud.ibm.com/cn%3Av1%3Abliuemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fd920d66ddb3c4a2ea525d6ec20f094d9%3Ad90fc675-b84d-4529-a73f-95c77136a779%3A/index.html..
- Session**: IBM Db2 on Cloud
- Script Summary**: 1 query run, 0 rows affected.
- Run SQL** button is visible.
- SQL Editor**: * Untitled - 1
- Content** (SQL code):

```
1 -- Vem Aiensi Marasigan | 2BSCS-2
2 CREATE TABLE PRODUCT (prodCode VARCHAR(6) NOT NULL PRIMARY KEY,
3                         description VARCHAR(20), unit VARCHAR(3));
4 CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRODUCT');
5
6 SELECT *
7   FROM PRODUCT;
8
9
10 ALTER TABLE PRODUCT
11 ADD CONSTRAINT unit_ck CHECK (unit in
12                           ('pc', 'ea', 'pkg', 'mtr', 'ltr'));
13
```

- Results** (Output): Run time: 0.030 s. Status: Success | Affected rows: 0. Result - Sep 1, 2022 10:11:57 AM: 0
- Toolbar Buttons**: Add new script, Script summary, Beta, Classic.

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The screenshot shows the IBM Db2 on Cloud interface with a failed SQL script execution. The script attempts to insert a row into the PRODUCT table, but fails due to a constraint violation. The error message indicates that the requested operation is not allowed because a row does not satisfy the check constraint "QZV73129.PRODUCT.UNIT_CK".

```

* Untitled - 1
1 -- Vem Aiensi Marasigan | 2BSCS-2
2
3 CREATE TABLE PRODUCT (prodCode VARCHAR(6) NOT NULL PRIMARY KEY,
4           description VARCHAR(29), unit VARCHAR(3));
5
6 CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRODUCT');
7
8 SELECT *
9 FROM PRODUCT;
10
11 ALTER TABLE PRODUCT
12 ADD CONSTRAINT unit_ck CHECK (unit IN
13 ('pc', 'ea', 'pkg', 'mti', 'ltr'));
14
15 INSERT INTO PRODUCT
16 VALUES ('PS0003', 'Cisco Virt Hardware', 'pcs'),
17 ('PC0002', 'Dell 745 Opti Desk', 'pg'),
18 ('PA0001', 'MS Ofc Business 2013', 'pk'),
19 ('AM0001', 'MS Wireless Mouse', 'pcs'),
20 ('AD0001', 'Toshiba Canvio 1 TB', 'eac');

Run time: 0.027 s
Run time: Sep 1, 2022 10:16:14 AM
Status: Failed
Error message
The requested operation is not allowed because a row does not satisfy the check constraint "QZV73129.PRODUCT.UNIT_CK".
SQLCODE=-545; SQLSTATE=23513; DRIVER=4.31.10
Learn more about this error

```

Run selected Remember my selection

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The screenshot shows the IBM Db2 on Cloud interface with the following details:

- Service Details - IBM Cloud**: Shows the connection to `bs2ipcul0apon0jufi80elite.db2.cloud.ibm.com:cm%3Av1%3Abuemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fd920d6dddb3c4a2ea525d6ec20f094d9%3Ad90fc675-b84d-4529-a73f-95c77136a779%3A%2F`.
- IBM Db2 on Cloud**: Shows 1 connection and 0 databases.
- Run SQL**: The current tab.
- Untitled - 1**: The previous tab.
- SQL Editor**: Contains the following SQL code:

```
1 -- Vem Aiensi Marasigan | 2BSCS-2
2
3 CREATE TABLE PRICEHIST (effDate DATE NOT NULL,
4                         prodCode VARCHAR(6) NOT NULL,
5                         unitPrice DECIMAL(10,2)
6                         CONSTRAINT UNITP_CK CHECK (unitPrice > 0.0),
7                         PRIMARY KEY (effDate, prodCode),
8                         FOREIGN KEY (prodCode) REFERENCES PRODUCT;
9
10 CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRICEHIST');
```

- Result set 1**: Shows the description of the PRICEHIST table.

COLNAME	TYPESCHEMA	TYPENAME	LENGTH	SCALE	NULLABLE
EFFDATE	SYSIBM	DATE	4	0	N
PRODCODE	SYSIBM	VARCHAR	6	0	N
UNITPRICE	SYSIBM	DECIMAL	10	2	Y

- Run all**: Run all button.
- Remember my selection**: Remember my selection checkbox.

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The screenshot shows the IBM Db2 on Cloud SQL editor interface. The top navigation bar includes tabs for 'Service Details - IBM Cloud' (selected), 'IBM Db2 on Cloud' (closed), 'IBM Db2 on Cloud' (closed), and 'IBM Db2 on Cloud' (closed). The main toolbar has icons for copy, paste, find, replace, and refresh. A red notification bubble with the number '1' is visible in the top right corner.

The main area is titled 'Run SQL'. It contains a code editor with the following SQL script:

```
Untitled - 1
* Untitled - 2 ×
SQL
CREATE TABLE PRICEHIST (effDate DATE NOT NULL,
prodCode VARCHAR(6) NOT NULL,
unitPrice DECIMAL(10,2)
CONSTRAINT UNITP_CK CHECK (unitPrice > 0.0),
PRIMARY KEY (effDate, prodCode),
FOREIGN KEY (prodCode) REFERENCES PRODUCT);
CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRICEHIST');
INSERT INTO PRICEHIST
VALUES ('2010-05-15', 'NB0003', '199'),
('2010-05-15', 'NB0004', '279'),
('2010-05-15', 'NB0005', '350');
```

The code editor has several buttons at the top: 'Add new script +', 'Script summary', 'Syntax assistant', 'Copy', 'Cut', 'Paste', 'Delete', and 'Beta' (disabled). Below the code editor is a status bar showing 'Result - Sep 1, 2022 10:34:33 AM' and a run time of '0.022 s'. A message box indicates 'Status: Success | Affected rows: 3'.

The bottom right corner features a blue button labeled 'Run selected' and a checkbox labeled 'Remember my selection'.

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The screenshot shows the IBM Db2 on Cloud interface. On the left, there's a sidebar with 'Service Details - IBM Cloud' and a connection status bar. The main area has tabs for 'Run SQL' and 'Run SP'. The 'Run SQL' tab is active, showing an SQL editor with the following code:

```
1 -- Vem Aiensi Marasigan | 2BSCS-2
2
3 CREATE TABLE PRICEHIST (effDate DATE NOT NULL,
4     prodCode VARCHAR(6) NOT NULL,
5     unitPrice DECIMAL(10,2),
6     CONSTRAINT UNITP_CK CHECK (unitPrice > 0.0),
7     PRIMARY KEY (effDate, prodCode),
8     FOREIGN KEY (prodCode) REFERENCES PRODUCT);
9
10 CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRICEHIST');
11
12 INSERT INTO PRICEHIST
13     VALUES ('2010-05-15', 'NB0003', '199'),
14     ('2010-05-15', 'NB0004', '279'),
15     ('2010-05-15', 'NB0005', '350');
16
17 INSERT INTO PRICEHIST
18     VALUES ('2011-02-01', 'PS0003', '123.55');
```

To the right of the editor is a results panel. It shows a single row of data from the 'PRICEHIST' table:

effDate	prodCode	unitPrice
2011-02-01	PS0003	123.55

The results panel includes a 'Script summary' button and a 'Run time: 0.032 s' message. At the bottom right of the interface, there are buttons for 'Run selected' and 'Remember my selection'.

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The screenshot shows the IBM Db2 on Cloud interface with a failed SQL insert operation. The error message indicates that the requested operation is not allowed because a row does not satisfy the check constraint "QZV73129.PRICEHIST.UNITP_CK".

```
1 -- Vem Aiensi Marasigan | 2BSCS-2
2
3 CREATE TABLE PRICEHIST (effDate DATE NOT NULL,
4                      prodCode VARCHAR(6) NOT NULL,
5                      unitPrice DECIMAL(10,2),
6                      CONSTRAINT UNITP_CK CHECK (unitPrice > 0.0),
7                      PRIMARY KEY (effDate, prodCode),
8                      FOREIGN KEY (prodCode) REFERENCES PRODUCT);
9
10 CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRICEHIST');
11
12 INSERT INTO PRICEHIST
13     VALUES ('2010-05-15', 'NB0003', '199'),
14     ('2010-05-15', 'NB0004', '279'),
15     ('2010-05-15', 'NB0005', '350');
16
17 INSERT INTO PRICEHIST
18     VALUES ('2011-02-01', 'PS0003', '123.55');
19
20 INSERT INTO PRICEHIST
21     VALUES ('2011-02-01', 'NB0005', '-1.85');
```

Error message:
The requested operation is not allowed because a row does not satisfy the check constraint "QZV73129.PRICEHIST.UNITP_CK".

[Learn more about this error](#)

Status: Failed

Run time: 0.032 s

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SQL SCRIPT 1

Result set 1				
	EMPNO	LASTNAME	FIRSTNAME	MIDDLENAME
①	000120	OCONNELL	SEAN	
	000150	ADAMSON	BRUCE	
	000200	BROWN	DAVID	
	000330	LEE	WING	
	200120	ORLANDO	GREG	
	200170	YAMAMOTO	KIYOSHI	
	200330	WONG	HELENA	

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SQL SCRIPT 2

The screenshot shows the IBM Db2 on Cloud interface with the following details:

Run SQL button is visible at the bottom left.

Assignment 3 is selected in the dropdown menu.

SQL tab is active.

Script summary tab is selected in the top right.

Result - Sep 8, 2022 10:43:35 AM is displayed.

Run time: 0.0005 s is displayed.

Result set 1 is selected in the dropdown menu.

Name and **BIRTHDATE** columns are displayed in the result table.

The result table contains the following data:

Name	BIRTHDATE
SCOUTEN, MARILYN	1979-02-21
SETRIGHT, MAUDE	1961-04-21
SMITH, DANIEL	1969-11-12
SMITH, PHILIP	1976-10-27
SPENSER, THEODORE	1980-12-18
SPRINGER, MICHELLE	1961-04-21
STERN, IRVING	1975-07-07
THOMPSON, MICHAEL	1978-02-02
WALKER, JAMES	1982-06-25
WONG, HELENA	1971-07-18
YAMAMOTO, KIYOSHI	1981-01-05
YOSHIMURA, MASATOSHI	1981-01-05

More link is visible next to the result table.

Run selected and **Remember my selection** buttons are at the bottom right.

The SQL script is as follows:

```
-- Vem Aiensi Marasigan | 2BSCS-2
-- SQL Script 1
SELECT empNo, lastName, firstName, midInit
FROM emp
WHERE midInit IS NULL;
-- SQL Script 2
SELECT lastName ||' , '|| firstName "Name" , birthDate
FROM emp
ORDER BY lastName;

```

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SQL SCRIPT 3

The screenshot shows the IBM Db2 on Cloud interface. The top navigation bar includes 'Run SQL' and 'Run Cloud'. The main area has tabs for 'Assignment 3' and 'Assignment 4'. The 'Assignment 3' tab is active, displaying a query editor with the following SQL script:

```
-- IBM Db2 on Cloud
-- bs2lpc0uap0n0uf80@lrb2.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublish%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fd%20d56fdb%3a2ea52d9ec20f094d9...
-- SELECT empNo, lastName, firstName, birthDate FROM emp WHERE midInit IS NULL;
-- Vem Aiensi Marasigan | 2BSCS-2
-- SQL Script 2
-- SELECT lastName || ' ' || firstName || "Name", birthDate
-- FROM emp
-- ORDER BY lastName;
-- WHERE midInit IS NULL;
-- SQL Script 1
-- SELECT empNo, lastName, firstName, midInit
-- FROM emp
-- ORDER BY lastName;
-- SELECT empNo, lastName, firstName, birthDate
-- FROM emp
-- WHERE YEAR(hireDate) BETWEEN 1990 AND 2000
-- ORDER BY hireDate;
```

The results for the first query are displayed in a table:

EMPNO	LASTNAME	FIRSTNAME	HIREDATE
000120	O'CONNELL	SEAN	1993-12-05
000310	SETRIGHT	MAUDE	1994-09-12
200310	SPRINGER	MICHELLE	1994-09-12
000010	HAAS	CHRISTINE	1995-01-01
200010	HEMMINGER	DIAN	1995-01-01
000320	MEHTA	RAMLAL	1995-07-07
000230	JEFFERSON	JAMES	1996-11-21
000310	SCHEIDER	ETHEL	1997-03-24
200280	SCHWARTZ	EILEEN	1997-03-24
200340	ALONZO	ROY	1997-07-05
000210	JONES	WILLIAM	1998-04-11
000220	LUTZ	JENNIFER	1998-08-29
200010	HEMMINGER	DIAN	1995-01-01
000270	YOSHIMURA	MASATOSHI	1999-09-15
000250	SMITH	DANIEL	1999-10-30
000100	SPENSER	THEODORE	2000-06-19
000090	HENDERSON	EILEEN	2000-08-15

Below the table, a note says: 'The first 5 rows of the result set are shown here. Click "View all loaded data" to view all loaded rows.'

The bottom right corner has a 'Remember my selection' checkbox.

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SQL SCRIPT 4

Run SQL

* Assignment 3 x

SQL

```
211 INSERT INTO EMPLOYEE VALUES( '0000100' , 'OP2010' , '10' , 1 , '2002-01-15' , '140' , 6.75 , 2002 )  
212 INSERT INTO EMPLOYEE VALUES( '0000100' , 'OP2011' , '10' , 1 , '2002-01-15' , '150' , 6.25 , 2002 )  
213 INSERT INTO EMPLOYEE VALUES( '0000100' , 'OP2011' , '10' , 1 , '2002-01-15' , '140' , 6.75 , 2002 )  
214 INSERT INTO EMPLOYEE VALUES( '0000100' , 'OP2012' , '10' , 1 , '2002-01-15' , '150' , 6.25 , 2002 )  
215 INSERT INTO EMPLOYEE VALUES( '0000100' , 'OP2012' , '10' , 1 , '2002-01-15' , '140' , 6.75 , 2002 )  
216 INSERT INTO EMPLOYEE VALUES( '0000100' , 'OP2013' , '10' , 1 , '2002-01-15' , '150' , 6.25 , 2002 )  
217 INSERT INTO EMPLOYEE VALUES( '0000100' , 'OP2013' , '10' , 1 , '2002-01-15' , '140' , 6.75 , 2002 )  
218 INSERT INTO EMPLOYEE VALUES( '0000100' , 'OP2014' , '10' , 1 , '2002-01-15' , '150' , 6.25 , 2002 )  
219 -- Ven Aiensi Marasigan | 2BSCS-2  
220 -- SQL Script 1  
221 SELECT empNo, lastName, firstName, midInit  
222 FROM emp  
223 WHERE midInit IS NULL;  
224 -- SQL Script 2  
225 SELECT lastName || ' ' || firstName "Name" , birthDate  
226 FROM emp  
227 ORDER BY lastName;  
228 -- SQL Script 3  
229 SELECT empNo, lastName, firstName , hireDate  
230 FROM emp  
231 WHERE YEAR(hireDate) BETWEEN 1990 AND 2000  
232 ORDER BY hireDate;  
233 -- SQL Script 4  
234 SELECT workDept, lastName, firstName, salary  
235 FROM emp  
236 WHERE salary >= 30000 AND salary <= 50000  
237 ORDER BY workDept, lastName;
```

Run selected

Remember my selection

Result set 1

WORKDEPT	LASTNAME	FIRSTNAME	SALARY
D11	LUTZ	JENNIFER	49840.00
A00	OCONNELL	SEAN	49250.00
A00	ORLANDO	GREG	39250.00
D11	LUTZ	JENNIFER	49840.00
D11	YOSHIMURA	MASATOSHI	44680.00
A00	OCONNELL	SEAN	49250.00
D11	LUTZ	JENNIFER	49840.00
D11	YOSHIMURA	MASATOSHI	44680.00
D11	JEFFERSON	JAMES	42180.00
D11	JOHNSON	SYBIL	47750.00
D11	MADISON	SAUNDRA	48700.00
D11	MARTIN	ROBERT	37760.00
D11	MARTIN	MARIA	37380.00
D11	MARTIN	DANIEL	49180.00

Result set 1

Result set 1

WORKDEPT	LASTNAME	FIRSTNAME	SALARY
A00	HEMINGGER	DIAN	46500.00
A00	OCONNELL	SEAN	49250.00
A00	ORLANDO	GREG	39250.00
D11	LUTZ	JENNIFER	49840.00
D11	YOSHIMURA	MASATOSHI	44680.00
E11	SCHNEIDER	ETHEL	36250.00
E11	SCHWARTZ	ELLEN	46250.00
E11	SETRIGHT	MAUDIE	35900.00
E11	SMITH	PHILLIP	37750.00
E11	SPRINGER	MICHELLE	35900.00
E21	ALONZO	ROY	31840.00
E21	GOUNOT	JASON	43840.00
E21	LEE	WING	45370.00
E21	MEHTA	RAMEL	39950.00
E21	WONG	HELENA	35370.00

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SQL SCRIPT 5

The screenshot shows the IBM Db2 on Cloud interface with two tabs: 'Run SQL' and 'Result set 1'. The 'Run SQL' tab contains the following SQL code:

```
* Assignment 3
213 INSERT INTO EMPLOYEE VALUES ('0000020', 'OP2011', '159', '0.25', '2899-01-01', '21', '^', 'SELECT workDept.empNo, lastName ||', '|| firstName', '||', 'Run time: 0.007 s');
214 INSERT INTO EMPLOYEE VALUES ('0000030', 'OP2012', '149', '0.25', '2899-01-01', '21', '^', 'SELECT workDept.empNo, lastName ||', '|| firstName', '||', 'Run time: 0.007 s');
215 INSERT INTO EMPLOYEE VALUES ('0000033', 'OP2012', '149', '0.75', '2899-01-01', '21', '^', 'SELECT workDept.empNo, lastName ||', '|| firstName', '||', 'Run time: 0.007 s');
216 INSERT INTO EMPLOYEE VALUES ('0000034', 'OP2013', '149', '0.5', '2899-01-01', '20', '^', 'SELECT workDept.empNo, lastName ||', '|| firstName', '||', 'Run time: 0.007 s');
217 INSERT INTO EMPLOYEE VALUES ('0000040', 'OP2013', '179', '0.5', '2892-01-01', '20', '^', 'SELECT workDept.empNo, lastName ||', '|| firstName', '||', 'Run time: 0.007 s');
218 INSERT INTO EMPLOYEE VALUES ('0000020', 'PL200', '30', '1', '2892-01-01', '2002-01-01', '^', 'SELECT workDept.empNo, lastName ||', '|| firstName', '||', 'Run time: 0.007 s');
219
220 -- Vem Aiensi Marasigan | 2SS5-2
221
222 - SQL Script 1
223 SELECT empNo, lastName, firstName, midName
224 FROM emp
225 WHERE empNo IS NULL;
226
227 -- SQL Script 1
228 SELECT lastName ||', '|| firstName', '||', birthDate
229 FROM emp
230 ORDER BY lastName;
231
232 -- SQL Script 3
233 SELECT empNo, lastName, firstName, hireDate
234 FROM emp
235 WHERE year(hireDate) BETWEEN 1990 AND 2000
236 ORDER BY hireDate;
237
238 -- SQL Script 4
239 SELECT workDept, lastName, firstName, salary
240 FROM emp
241 WHERE salary >= 50000 AND salary <= 40000
242 ORDER BY workDept, lastName;
243
244 -- SQL Script 5
245 SELECT workDept, empNo, lastName ||', '|| firstName', '||', 'Run time: 0.007 s';
246 FROM emp
247 WHERE salary >= 50000 AND salary <= 40000
248 ORDER BY workDept, lastName;
249
250
```

The 'Result set 1' tab displays the results of the last query, showing employee details like workDept, empNo, lastName, and salary.

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SQL SCRIPT 1

The screenshot shows the IBM Db2 on Cloud interface with the following details:

- Service Details - IBM Cloud**: IBM Db2 on Cloud
- Run SQL** button
- PartialHOPEDB** database selected
- * Assignment 4** script selected
- SQL** tab active
- Script content:**

```
1 -- Vem Aiensi Marasigan | 2BSCS-2
2
3 --SCRIPT 1
4 SELECT payterm, COUNT (payterm) "COUNT SUMMARY"
5 FROM customer
6 WHERE address LIKE '%CA%';
7 GROUP BY payterm;
8
9
```
- Run** button (highlighted)
- Result** tab: Shows the output of the query.
- Result - Sep 16, 2022 11:37:16 PM**
- SELECT payterm, COUNT (payterm) "COUNT SUMMARY"** (highlighted)
- Run time: 0.004 s**
- Result set 1**

PAYTERM	COUNT SUMMARY
30D	16
45D	13
COD	13

- Script summary** button
- Classic** view mode
- Remember my selection** checkbox

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SQL SCRIPT 2

The screenshot shows a SQL editor interface with two tabs: 'Assignment 4' and 'Assignment 2'. The 'Assignment 4' tab contains the following SQL script:

```
-- Vem Aiensi Marasigan | 2BSCS-2
--SCRIPT 1
SELECT payterm, COUNT (payterm) "COUNT SUMMARY"
FROM customer
WHERE address LIKE '%CA%'
GROUP BY payterm;
--SCRIPT 2
SELECT gender, COUNT (gender) "Total"
FROM personnel
GROUP BY gender;
```

The 'Assignment 2' tab contains the following SQL script:

```
-- C:\Users\bs2ipcu0\apondjuf60\ite\db2\cloud.ibm.com\crn%3Av1%3Abulemiv%3Apulic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fd920d66ddb3c4a2e525d6ec20f0949%3Ad90f675-b84d-4529-a73f-9c77136a779%3A%3A...
-- Run time: 0.003 s
```

The results section shows the output for 'Assignment 4' (Result set 1) and 'Assignment 2' (Result set 2). The 'Assignment 4' result is a summary of customer counts by payterm, and the 'Assignment 2' result is a count of personnel by gender.

GENDER	Total
F	19
M	13

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/ : LAB ASSIGNMENT 4

SQL SCRIPT 3

Result set - Run SQL : IBM Db2 on Cloud : SELECT transNo,TRANSAC... - □ X	
about:blank	
Result set 1	Q Find <input type="text"/> ↑
about:blank	Result set 1
TRANSACTION NO.	QUANTITIES DELIVERED
TR000120	198.00
TR000119	120.00
TR000123	86.00
TR000053	82.00
TR000103	60.00
TR000122	59.00
TR000073	46.00
TR000051	45.00
TR000066	45.00
TR000124	41.00
TR000001	40.00
TR000121	35.00
TR000093	32.00
TR000004	30.00
TR000052	30.00
TR000075	27.00
TR000100	26.00
✖ Result set - Run SQL : IBM Db2 on Cloud : SELECT transNo,TRANSAC... - □ X	
Result set 1	Q Find <input type="text"/> ↑
about:blank	Result set 1
TRANSACTION NO.	QUANTITIES DELIVERED
TR00063	1.00
TR00069	1.00
TR00071	1.00
TR00072	1.00
TR00076	1.00
TR000109	1.00
TR000113	1.00
TR000114	1.00
TR000117	1.00
TR000118	1.00
✖ Result set - Run SQL : IBM Db2 on Cloud : SELECT transNo,TRANSAC... - □ X	

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SQL SCRIPT 4

```

Result set - Run SQL - IBM Db2 on Cloud - SELECT * FROM Paym... - □ ×
① about|bank
Result set 1 Q Find ↑
YEAR TRANSACTION NO. TOTAL PAYMENT
2010 TR000322 1776.54
2010 TR000041 1697.98
2010 TR00032 1581.72
2010 TR00030 1537.17
2010 TR00045 4472.35
2010 TR00044 1503.60
2010 TR00040 4470.00
2010 TR00036 4000.00
2010 TR00021 1101.78
2010 TR00008 1000.00
2010 TR00037 3417.20
2010 TR00010 1000.00
2010 TR00017 1000.00
2010 TR00032 1000.00
2010 TR00011 303708.25
2010 TR000120 103708.17
2010 TR00039 2999.30
2010 TR00019 77494.40
2010 TR00006 2095.00
2010 TR000123 41898.90
2010 TR00016 2000.00
2010 TR00043 2000.00
2010 TR00038 1917.44
2010 TR00022 17872.99
2010 TR00032 1776.54

```

Result set - Run SQL - IBM Db2 on Cloud - SELECT * FROM Paym... - □ ×
① about|bank
Result set 1 Q Find ↑
YEAR TRANSACTION NO. TOTAL PAYMENT
2010 TR00035 6249.50
2010 TR00035 6095.05
2010 TR00018 5919.12
2010 TR00045 4472.55
2010 TR00040 4470.00
The first 5 rows of the result set are shown here. Click "More" to view all loaded rows.
2010 TR00045 4472.55

```

Result set - Run SQL - IBM Db2 on Cloud - SELECT * FROM Paym... - □ ×
① about|bank
Result set 1 Q Find ↑
YEAR TRANSACTION NO. TOTAL PAYMENT
2011 TR00077 2369.44
2011 TR00011 2369.44
2011 TR00040 2043.81
2011 TR00081 5150.84
2011 TR00058 5015.00
2011 TR00099 4854.14
2011 TR000101 4831.91
2011 TR00082 4057.98
2011 TR00087 4000.00
2011 TR00066 47138.88
2011 TR00090 4515.92
2011 TR00098 3487.29
2011 TR00074 4217.74
2011 TR00095 3343.98
2011 TR00054 3314.99
2011 TR00118 1184.72

```

Run selected Remember my selection

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SQL SCRIPT 5

The screenshot shows a browser window with several tabs open. The tabs include:

- Service Details - IBM Cloud
- IBM Db2 on Cloud
- IBM Db2 on Cloud
- Result set - Run SQL - IBM D...
- Result set - Run SQL - IBM D...
- about:blank

The main content area displays a table of data from an IBM Db2 database. The table has columns: PRODCODE, PRICE CHANGE, PRODNAME, and PRODCODE. The data is as follows:

PRODNAME	PRICE CHANGE	PRODCODE	PRODNAME	PRICE CHANGE
AM0001	2	MD0003	AM0001	2
AM0002	2	MD0004	AM0002	2
AM0003	2	MD0005	AM0003	2
AM0004	2	MD0006	AM0004	2
PC0001	2	PC0002	AM0005	2
AP0001	2	AM0006	AM0001	2
AP0002	2	AM0007	AM0002	2
AP0003	2	AM0008	AM0003	2
PF0002	2	AM0009	AM0004	2
PF0003	2	MD0001	MD0002	2
PF0004	2	MD0003	MD0005	2
PF0005	2	MD0004	MD0006	2

A sidebar on the right contains a "Run selected" button and a "Remember my selection" checkbox.