```
//1. create database Dash5;

//2. create table StudInfo
(StId int,
LName varchar(25),
FName varchar(25),
MInitial char(1),
Allowance int,
Address varchar(30),
Program char(4),
Nationality varchar(10));

//3. insert into StudInfo(StId, LName, FName, MInitial, Allowance, Address, Program,
Nationality) values (1234,'de Silva','Lorenzo','V',22,'Antipolo
City','BSIT','Vietnamese');
//4. insert into StudInfo(StId, LName, FName, MInitial, Allowance, Address, Program,
Nationality) values (1235,'Caban','Luisa','C',21,'Antipolo City','BSIT','Taiwanese');
//5. insert into StudInfo(StId, LName, FName, MInitial, Allowance, Address, Program,
Nationality) values (1236,'Tria','Sean','T',50,'Antipolo City','BSIT','Hindi');
//6.insert into StudInfo(StId, LName, FName, MInitial, Allowance, Address, Program,
Nationality) values (1237,'Dizon','Jepoy','L',5,'Antipolo City','BSIT','Filipino');

//7.drop table StudInfo;

//8. Select * from StudInfo;

//9. Select StId, LName, Nationality from StudInfo;

//10. update StudInfo set Address = 'Tanay' where Address = 'Antipolo City';
//11. update StudInfo set Address = 'Antipolo' where StId = 1234;

//12. delete from StudInfo where LName = 'Tria'
//13. delete from StudInfo where Allowance >= 21;

//14. sp_rename 'StudInfo.Address','Location';

//15. delete from StudInfo;

//16. drop table StudInfo;

//17. drop database Dash5;
```

de Silva, Raphael Lorenzo | IMGT211
BSIT 2-Y1-5

Machine Problem #1

Program used: [Online SQL Editor (tutorialspoint.com)]

ID	FIRST_NAME	MIDDLE_INITIAL	LAST_NAME	AGE	POWER	GENDER	BIRTH_DATE	HEIGHT	WEIGHT
1	Naruto	N	Uzumaki	33	Shadow Clone Jutsu	M	1997-10-10	1.8	50
2	Monkey	D	Luffy	19	Gomu Gomu no Mi	M	05-05	1.74	59
3	Eren	Y	Yeager	19	Titan Shifting	M	085-03-30	1.7	63
4	Reigen	A	Arataka	28		M	10-10	1.75	72
5	Ken	K	Kaneki	23	Half-Ghoul	M	12-20	1.69	55
6	Kishou	A	Arima	33	Ukaku	M	12-20	1.8	82
7	Juuzou	S	Suzuya	29	Koukaku	M	06-08	1.6	48
8	Amon	K	Koutarou	38	Kakuja	M	04-07	1.91	94
9	Yoshimura	E	Eto	27	Kakuja	F		1.51	44
10	Touka	K	Kirishima	28	Ukaku	F	07-10	1.56	45

```
CREATE TABLE Anime (
   ID INT NOT NULL,
   FIRST_NAME VARCHAR(20) NOT NULL,
   MIDDLE_INITIAL CHAR(1),
   LAST_NAME VARCHAR(20) NOT NULL,
   AGE INT NOT NULL,
   POWER VARCHAR(50),
   GENDER CHAR(1),
   BIRTH_DATE VARCHAR(10),
   HEIGHT DECIMAL(3, 2),
   WEIGHT DECIMAL(5, 2),
   PRIMARY KEY (ID)
);
```

```
INSERT INTO Anime1 (ID, FIRST_NAME, MIDDLE_INITIAL, LAST_NAME, AGE, POWER,
GENDER, BIRTH_DATE, HEIGHT, WEIGHT)
VALUES
(1, 'Naruto', 'N', 'Uzumaki', 33, 'Shadow Clone Jutsu', 'M', '1997-10-10', 1.80, 50.00),
(2, 'Monkey', 'D', 'Luffy', 19, 'Gomu Gomu no Mi', 'M', '05-05', 1.74, 59.00),
```

(3, 'Eren', 'Y', 'Yeager', 19, 'Titan Shifting', 'M', '03-30', 1.70, 63.00),

(4, 'Reigen', 'A', 'Arataka', 28, NULL, 'M', '10-10', 1.75, 72.00),

(5, 'Ken', 'K', 'Kaneki', 23, 'Half-Ghoul', 'M', '12-20', 1.69, 55.00),

(6, 'Kishou', 'A', 'Arima', 33, 'Ukaku', 'M', '12-20', 1.80, 82.00),

(7, 'Juuzou', 'S', 'Suzuya', 29, 'Koukaku', 'M', '06-08', 1.60, 48.00),

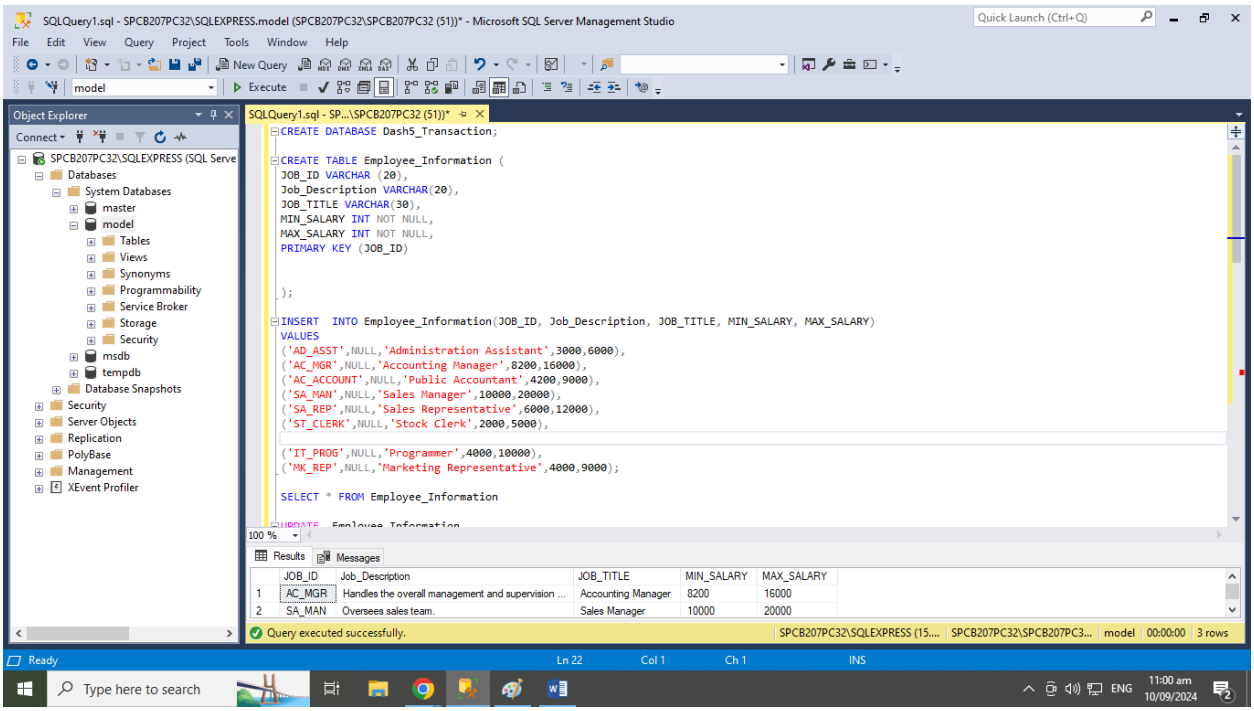
(8, 'Amon', 'K', 'Koutarou', 38, 'Kakuja', 'M', '04-07', 1.91, 94.00),

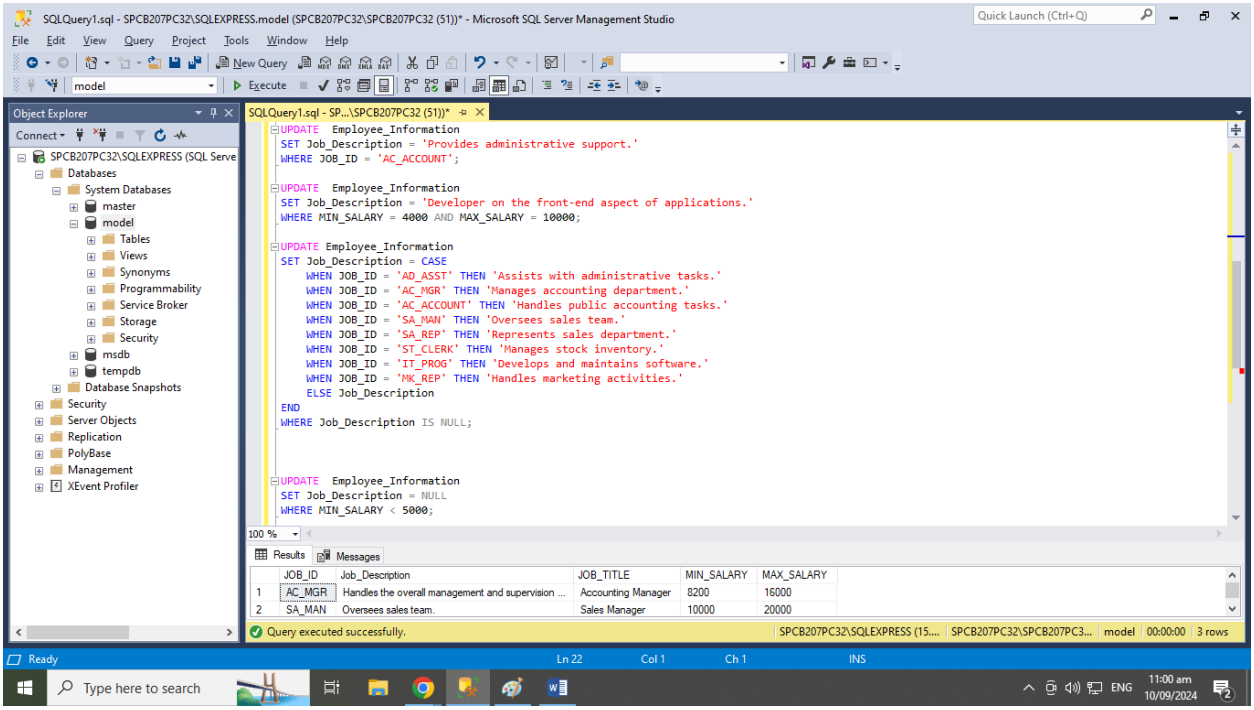
(9, 'Yoshimura', 'E', 'Eto', 27, 'Kakuja', 'F', NULL, 1.51, 44.00),

(10, 'Touka', 'K', 'Kirishima', 28, 'Ukaku', 'F', '07-10', 1.56, 45.00);

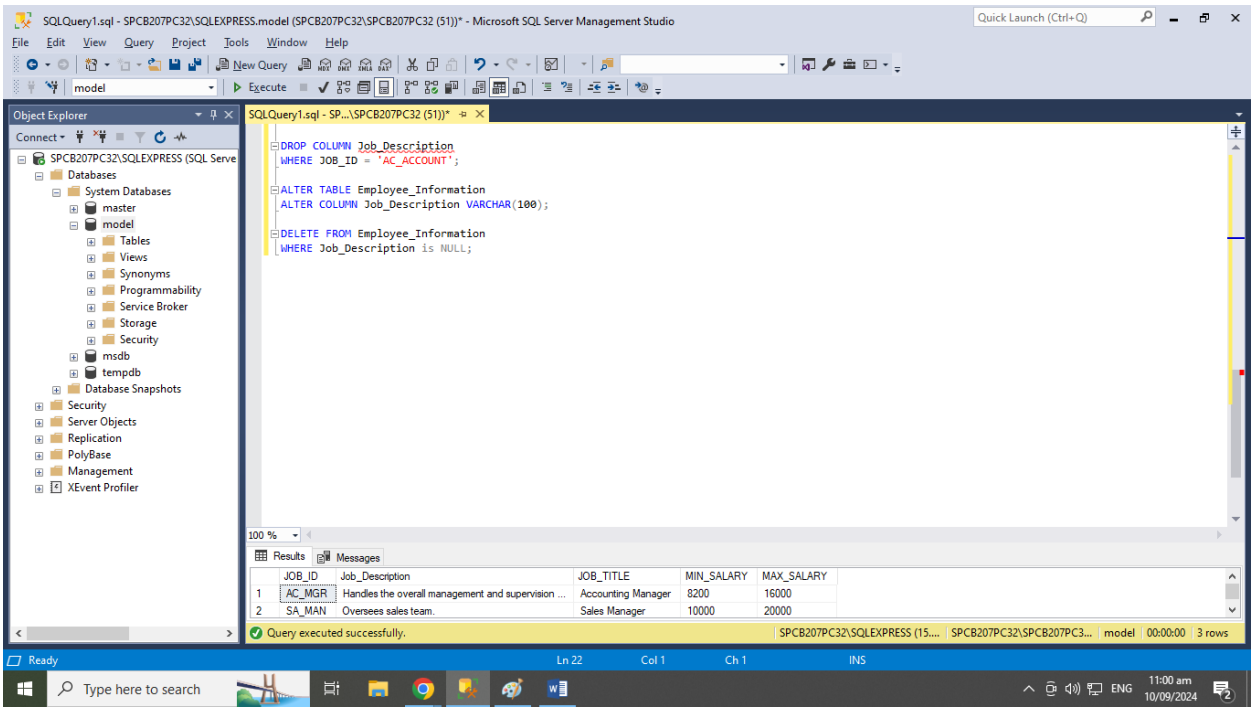
SELECT * FROM Anime

de Silva, Raphael Lorenzo V. | BSIT 2-Y1-5





de Silva, Raphael Lorenzo V. | BSIT 2-Y1-5



Week 5: Activity 4

Step #1:

```
CREATE TABLE Employee(
EMPLOYEE_ID int,
START_DATE date,
END_DATE date,
JOB_ID varchar(100)

);
```

Step #2:

```
INSERT INTO Employee(EMPLOYEE_ID,START_DATE,END_DATE,JOB_ID)
VALUES (102,'13-Jan-93','24-Jul-98','IT_PROG'),
(101, '21-Sep-89','27-Oct-93','AC_ACCOUNT'),
(101, '28-Oct-93', '15-Mar-97',  'AC_MGR'),
(201, '17-Feb-96', '19-Dec-99', 'MK_REP'),
(114, '24-Mar-98', '31-Dec-99', 'ST_CLERK'),
(200, '17-Sep-87', '17-Jun-93' , 'AD_ASST'),
(176 ,'24-Mar-98' ,'31-Dec-98' ,'SA_REP'),
(176, '1-Jan-99' ,'31-Dec-99' ,'SA_MAN');
```

Output for steps 1 & 2:

	EMPLOYEE_ID	START_DATE	END_DATE	JOB_ID
1	102	1993-01-13	1998-07-24	IT_PROG
2	101	1989-09-21	1993-10-27	AC_ACCOUNT
3	101	1993-10-28	1997-03-15	AC_MGR
4	201	1996-02-17	1999-12-19	MK_REP
5	114	1998-03-24	1999-12-31	ST_CLERK
6	200	1987-09-17	1993-06-17	AD_ASST
7	176	1998-03-24	1998-12-31	SA_REP
8	176	1999-01-01	1999-12-31	SA_MAN

Step #3:

```
UPDATE Employee set END_DATE=NULL where  END_DATE <= '31-Dec-98';
```

Output:

	EMPLOYEE_ID	START_DATE	END_DATE	JOB_ID
1	102	1993-01-13	NULL	IT_PROG
2	101	1989-09-21	NULL	AC_ACCOUNT
3	101	1993-10-28	NULL	AC_MGR
4	201	1996-02-17	1999-12-19	MK_REP
5	114	1998-03-24	1999-12-31	ST_CLERK
6	200	1987-09-17	NULL	AD_ASST
7	176	1998-03-24	NULL	SA_REP
8	176	1999-01-01	1999-12-31	SA_MAN

Step #4:

```
ALTER TABLE Employee
ADD JOB_DESCRIPTION varchar(100);
```

Output:

	EMPLOYEE_ID	START_DATE	END_DATE	JOB_ID	JOB_DESCRIPTION
1	102	1993-01-13	NULL	IT_PROG	NULL
2	101	1989-09-21	NULL	AC_ACCOUNT	NULL
3	101	1993-10-28	NULL	AC_MGR	NULL
4	201	1996-02-17	1999-12-19	MK_REP	NULL
5	114	1998-03-24	1999-12-31	ST_CLERK	NULL
6	200	1987-09-17	NULL	AD_ASST	NULL
7	176	1998-03-24	NULL	SA_REP	NULL
8	176	1999-01-01	1999-12-31	SA_MAN	NULL

Step #5:

```
UPDATE Employee
SET JOB_DESCRIPTION = 'Manages financial records, processes transactions, and ensures compliance with accounting standards.'
WHERE JOB_ID = 'AC_ACCOUNT';


UPDATE Employee
SET JOB_DESCRIPTION = 'Oversees accounting operations, ensures financial accuracy, and manages team performance.'
WHERE JOB_ID = 'AC_MGR';


UPDATE Employee
SET JOB_DESCRIPTION = 'Promotes products, engages with customers, and drives sales through marketing strategies.'
WHERE JOB_ID = 'MK_REP';

UPDATE Employee
SET JOB_DESCRIPTION = 'Handles customer service, clerical tasks, and data entry.'
WHERE JOB_ID = 'ST_CLERK';

UPDATE Employee
```

75 %

Results Messages

	EMPLOYEE_ID	START_DATE	END_DATE	JOB_ID	JOB_DESCRIPTION
1	102	1993-01-13	NULL	IT_PROG	Writes and updates code, designs software solutio...
2	101	1989-09-21	NULL	AC_ACCOUNT	Manages financial records, processes transactions,...
3	101	1993-10-28	NULL	AC_MGR	Oversees accounting operations, ensures financial ...
4	201	1996-02-17	1999-12-19	MK_REP	Promotes products, engages with customers, and d...
5	114	1998-03-24	1999-12-31	ST_CLERK	Handles customer service, clerical tasks, and data ...
6	200	1987-09-17	NULL	AD_ASST	Supports office tasks, manages schedules, and ha...
7	176	1998-03-24	NULL	SA_REP	Drives sales, builds customer relationships, and me...
8	176	1999-01-01	1999-12-31	SA_MAN	Leads a sales team, sets goals, analyzes data, and ...

Step #6:

```
SELECT EMPLOYEE_ID, START_DATE, JOB_ID FROM Employee;
```

10 %

Results | Messages

	EMPLOYEE_ID	START_DATE	JOB_ID
1	102	1993-01-13	IT_PROG
2	101	1989-09-21	AC_ACCOUNT
3	101	1993-10-28	AC_MGR
4	201	1996-02-17	MK_REP
5	114	1998-03-24	ST_CLERK
6	200	1987-09-17	AD_ASST
7	176	1998-03-24	SA_REP
8	176	1999-01-01	SA_MAN

Step #7:

```
UPDATE Employee set JOB_ID=NULL where  START_DATE <= '28-Oct-98';
```

esults | Messages

EMPLOYEE_ID	START_DATE	END_DATE	JOB_ID	JOB_DESCRIPTION
102	1993-01-13	NULL	NULL	Writes and updates code, designs software solutio...
101	1989-09-21	NULL	NULL	Manages financial records, processes transactions,...
101	1993-10-28	NULL	NULL	Oversees accounting operations, ensures financial ...
201	1996-02-17	1999-12-19	NULL	Promotes products, engages with customers, and d...
114	1998-03-24	1999-12-31	NULL	Handles customer service, clerical tasks, and data ...
200	1987-09-17	NULL	NULL	Supports office tasks, manages schedules, and ha...
176	1998-03-24	NULL	NULL	Drives sales, builds customer relationships, and me...
176	1999-01-01	1999-12-31	SA_MAN	Leads a sales team, sets goals, analyzes data, and ...

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

```sql
CREATE database DS_Act1;

CREATE TABLE Employees_MP2(
E_ID int,
S_DATE date,
E_DATE date,
J_ID VARCHAR(100),
PRIMARY KEY (E_ID)


);

INSERT INTO Employees_MP2(E_ID, S_DATE, E_DATE, J_ID)
VALUES
(101011, '13-JAN-93','24-JUL-98','IT_PROG'),
(101014,'21-SEP-89','27-OCT-93','AC_ACCOUNT'),
(101013,'28-OCT-93','15-MAR-97','AC_MGR'),
(101012,'17-SEP-96','19-DEC-99','MK_REP'),
(101015,'24-MAR-98','31-DEC-99','ST_CLERK'),
(201010,'17-SEP-87','17-JUN-93','AD_ASST'),
(201011,'24-MAR-98','31-DEC-98','SA_REP'),
(201012,'1-JAN-99','31-DEC-99','SA_MAN');

UPDATE Employees_MP2
SET J_ID = 'IT_PROG'
WHERE E_ID = 101011;

SELECT * FROM Employees_MP2

--DISTINCT CLAUSE
SELECT DISTINCT S_DATE
FROM Employees_MP2;
```

	S_DATE
1	1987-09-17
2	1989-09-21
3	1993-01-13
4	1993-10-28
5	1996-09-17
6	1998-03-24
7	1999-01-01

```sql
-- AND CLAUSE
SELECT E_ID, E_DATE
FROM Employees_MP2
WHERE E_ID < 101015 AND E_DATE <= '31-Dec-97';
```

	E_ID	E_DATE
1	101013	1997-03-15
2	101014	1993-10-27

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

```
-- OR CLAUSE
SELECT E_ID, E_DATE
FROM Employees_MP2
WHERE E_ID < 101015 OR E_DATE <= '31-Dec-97';
```

	E_ID	E_DATE
1	101011	1998-07-24
2	101012	1999-12-19
3	101013	1997-03-15
4	101014	1993-10-27
5	201010	1993-06-17

```
-- IN CLAUSE
SELECT * FROM Employees_MP2
WHERE J_ID IN ('IT_PROG', 'AC_MGR', 'SA_REP');
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	101011	1993-01-13	1998-07-24	IT_PROG	Philippines
2	101013	1993-10-28	1997-03-15	AC_MGR	China
3	201011	1998-03-24	1998-12-31	SA_REP	Japan

```
-- IN CLAUSE
SELECT * FROM Employees_MP2
WHERE E_ID IN (101015, 101019);
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	101015	1998-03-24	1999-12-31	ST_CLERK	USA

```
-- BETWEEN CLAUSE
SELECT * FROM Employees_MP2
WHERE E_DATE BETWEEN '31-DEC-95' AND '31-DEC-98';
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	101011	1993-01-13	1998-07-24	IT_PROG	Philippines
2	101013	1993-10-28	1997-03-15	AC_MGR	China
3	201011	1998-03-24	1998-12-31	SA_REP	Japan

```
-- COUNT and BETWEEN
SELECT COUNT(*)as TotalRecordsRetrieved from Employees_MP2
WHERE E_DATE BETWEEN '31-DEC-95' AND '31-DEC-98';
```

	TotalRecordsRetrieved
1	3

```
-- COUNT and BETWEEN
SELECT COUNT(*)as TotalRecordsRetrieved from Employees_MP2
WHERE E_ID BETWEEN 201010 AND 201012;
```

	TotalRecordsRetrieved
1	3

```
-- LIKE CLAUSE
SELECT * from Employees_MP2
WHERE J_ID LIKE 'M%';
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	101012	1996-09-17	1999-12-19	MK_REP	Philippines

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

```
-- LIKE CLAUSE INVERTED
SELECT * from Employees_MP2
WHERE J_ID LIKE '%T';
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	101014	1989-09-21	1993-10-27	AC_ACCOUNT	China
2	201010	1987-09-17	1993-06-17	AD_ASST	USA

```
-- LIKE CLAUSE IN BETWEEN
SELECT * from Employees_MP2
WHERE J_ID LIKE '%CL%';
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	101015	1998-03-24	1999-12-31	ST_CLERK	USA

```
-- ORDER BY
SELECT * from Employees_MP2
ORDER BY J_ID;
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	101014	1989-09-21	1993-10-27	AC_ACCOUNT	China
2	101013	1993-10-28	1997-03-15	AC_MGR	China
3	201010	1987-09-17	1993-06-17	AD_ASST	USA
4	101011	1993-01-13	1998-07-24	IT_PROG	Philippines
5	101012	1996-09-17	1999-12-19	MK_REP	Philippines
6	201012	1999-01-01	1999-12-31	SA_MAN	Japan
7	201011	1998-03-24	1998-12-31	SA_REP	Japan
8	101015	1998-03-24	1999-12-31	ST_CLERK	USA

```
-- ORDER BY DESCENDING
SELECT * from Employees_MP2
ORDER BY J_ID DESC;
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	101015	1998-03-24	1999-12-31	ST_CLERK	USA
2	201011	1998-03-24	1998-12-31	SA_REP	Japan
3	201012	1999-01-01	1999-12-31	SA_MAN	Japan
4	101012	1996-09-17	1999-12-19	MK_REP	Philippines
5	101011	1993-01-13	1998-07-24	IT_PROG	Philippines
6	201010	1987-09-17	1993-06-17	AD_ASST	USA
7	101013	1993-10-28	1997-03-15	AC_MGR	China
8	101014	1989-09-21	1993-10-27	AC_ACCOUNT	China

```
-- ORDER BY DESC WITH CONDITION
SELECT * from Employees_MP2
WHERE E_ID >101015
ORDER BY J_ID DESC;
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	201011	1998-03-24	1998-12-31	SA_REP	Japan
2	201012	1999-01-01	1999-12-31	SA_MAN	Japan
3	201010	1987-09-17	1993-06-17	AD_ASST	USA

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

```sql
-- ORDER BY WITH CONDITION
SELECT * from Employees_MP2
WHERE E_ID >101015
ORDER BY J_ID;
```

	E_ID	S_DATE	E_DATE	J_ID	Country
1	201010	1987-09-17	1993-06-17	AD_ASST	USA
2	201012	1999-01-01	1999-12-31	SA_MAN	Japan
3	201011	1998-03-24	1998-12-31	SA_REP	Japan

```sql
ALTER TABLE Employees_MP2 ADD Country VARCHAR(25);

DELETE FROM Employees_MP2 WHERE COUNTRY is NULL;

UPDATE Employees_MP2 set Country = 'Philippines' where E_ID = 101012 OR E_ID = 101011;
UPDATE Employees_MP2 set Country = 'China' where E_ID = 101013 OR E_ID = 101014;
UPDATE Employees_MP2 set Country = 'USA' where E_ID = 101015 OR E_ID = 201010;
UPDATE Employees_MP2 set Country = 'Japan' where E_ID = 201011 OR E_ID = 201012;


-- GROUP BY
SELECT COUNT(E_ID) AS totalRecords, Country
FROM Employees_MP2
WHERE E_ID < 201015
GROUP BY Country;
```

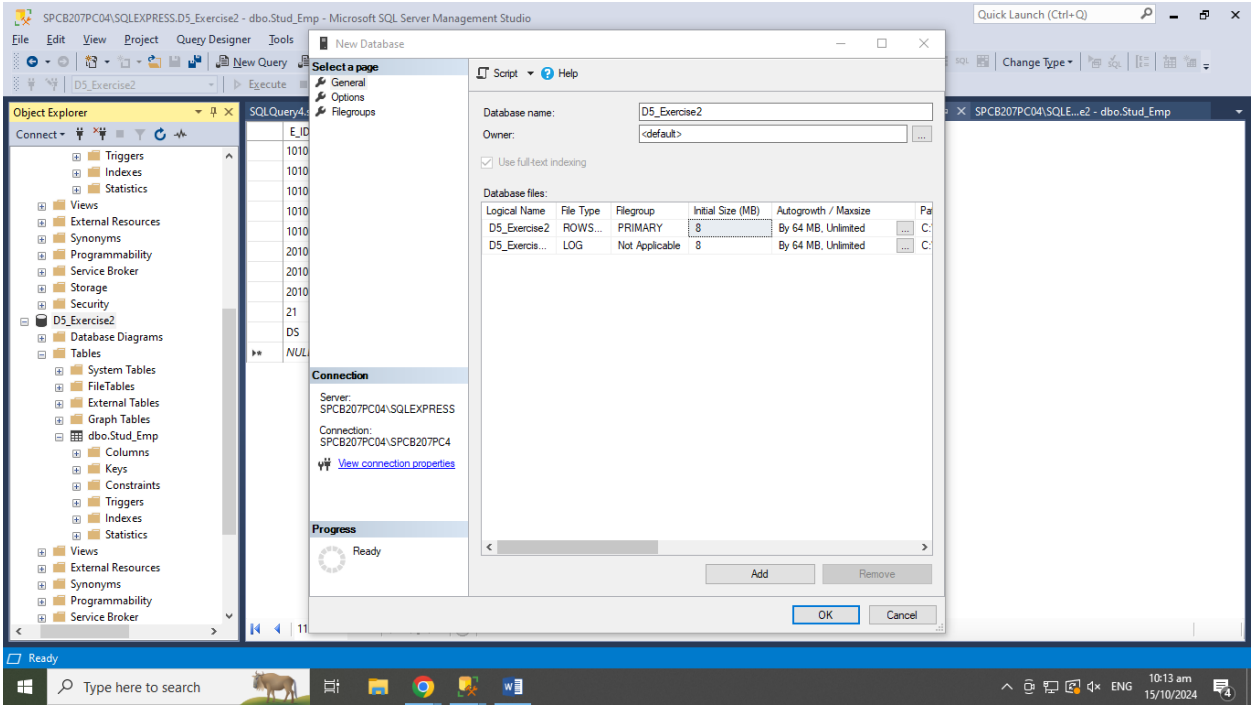
	totalRecords	Country
1	2	China
2	2	Japan
3	2	Philippines
4	2	USA

```sql
-- HAVING COUNT
SELECT COUNT(E_ID), Country
FROM Employees_MP2
WHERE E_ID < 201015
GROUP BY Country
HAVING COUNT(E_ID) >= 2;
```

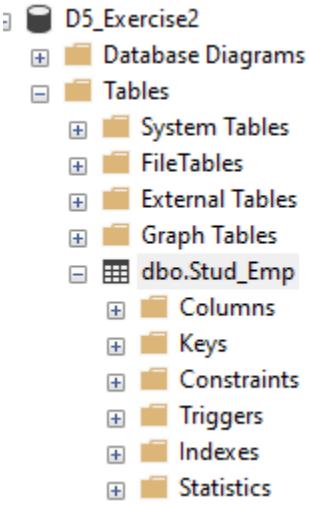
	(No column name)	Country
1	2	China
2	2	Japan
3	2	Philippines
4	2	USA

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

Step #1: Create a database and named it as D5_Exercise2.



Step #2: Apply the CREATE TABLE clause, create a table called Stud_Emp.



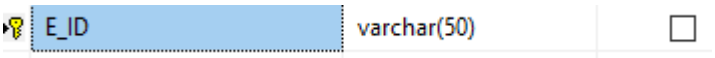
Step #3: Identify the appropriate data types.

SPCB207PC04\SQLE...e2 - dbo.Stud_Emp | SPCB207PC04\SQLE...e2 - dbo.Stud_Emp

Column Name	Data Type	Allow Nulls
E_ID	varchar(50)	☐
S_DATE	date	☑
E_DATE	date	☑
J_ID	varchar(50)	☑
		☐

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

Step #4: Assign a Primary key to prevent data redundancy.



Step #5: Insert the following records.

SQLQuery5.sql - SP...4\SPCB207PC4 (55)) | SPCB207PC04\SQLE...e2 - dbo.Stud_Emp

	E_ID	S_DATE	E_DATE	J_ID
	101011	1993-01-13	1998-07-24	IT_PROG
	101012	1996-02-17	1999-12-19	MK_REP
	101013	1993-10-28	1997-03-15	AC_MGR
	101014	1989-09-21	1993-10-27	AC_ACCOUNT
	101015	1998-03-24	1999-12-31	ST_CLERK
	201010	1987-09-17	1993-06-17	AD_ASST
	201011	1998-03-24	1998-12-31	SA_REP
	201012	1999-01-01	1999-12-31	SA_MAN

Step #6: Select the records.

	E_ID	S_DATE	E_DATE	J_ID
1	101011	1993-01-13	1998-07-24	IT_PROG
2	101012	1996-02-17	1999-12-19	MK_REP
3	101013	1993-10-28	1997-03-15	AC_MGR
4	101014	1989-09-21	1993-10-27	AC_ACCOUNT
5	101015	1998-03-24	1999-12-31	ST_CLERK
6	201010	1987-09-17	1993-06-17	AD_ASST
7	201011	1998-03-24	1998-12-31	SA_REP
8	201012	1999-01-01	1999-12-31	SA_MAN

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

1.

```
SELECT COUNT(*) As NumberOfEmployees from St_Transaction where DateHired <'2004-1-26'
SELECT COUNT(*) from St_Transaction where DateHired <'2004-1-26'

SELECT DepartmentName, COUNT(*) As NumberOfEmployees from St_Transaction group by Departme

SELECT COUNT(*) As NumberOfEmployees from St_Profile where Salary >18000.00


SELECT St_Transaction.St_ID, St_Transaction.DepartmentName, St_Transaction.FirstName, St_
```

100 %

Results | Messages

	NumberOfEmployees
1	2

	(No column name)
1	2

2.

```
SELECT DepartmentName, COUNT(*) As NumberOfEmployees from St_Transaction group by DepartmentName

SELECT COUNT(*) As NumberOfEmployees from St_Profile where Salary >18000.00


SELECT St_Transaction.St_ID, St_Transaction.DepartmentName, St_Transaction.FirstName, St_Transact
```

100 %

Results | Messages

	DepartmentName	NumberOfEmployees
1	Accounting	1
2	Finance	1
3	Human Resource	1
4	Marketing	1
5	Registrar	1

3.

```
SELECT COUNT(*) As NumberOfEmployees from St_Profile where Salary >18000.00


SELECT St_Transaction.St_ID, St_Transaction.DepartmentName, St_Transaction.F
```

100 %

Results | Messages

	NumberOfEmployees
1	1

4.

```
SELECT St_Transaction.St_ID, St_Transaction.DepartmentName, St_Transaction.FirstName, St_Transaction.LastName,
St_Transaction.DateHired, St_Profile.Position, St_Profile.Salary
FROM St_Transaction, St_Profile where St_Transaction.Datehired = St_Profile.DateHired


Select St_ID, DepartmentName, FirstName, LastName, St_Transaction.DateHired, Position, Salary from St_Transactio
where St_Transaction.DateHired = St_Profile.DateHired
```

100 %

Results | Messages

	St_ID	DepartmentName	FirstName	LastName	DateHired	Position	Salary
1	4001000	Human Resource	Ronald	KAUFMAN	2003-12-15	Manager	15000.00
2	4002000	Accounting	Midred	NETTER	2004-01-25	Accountant	13000.00
3	4003000	Finance	Williams	KELLER	2004-02-12	Cashier	17000.00
4	4004000	Marketing	Liza	JARDINE	2004-02-20	Secretary	19000.00
5	4005000	Registrar	Efren	KNOTTZ	2004-03-15	Supervisor	18000.00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

5.

```
Select St_ID, DepartmentName, FirstName, LastName, St_Transaction.DateHired, Position, Salary from St_Transaction, St_Profile
where St_Transaction.DateHired = St_Profile.DateHired
```

100 %

Results | Messages

	St_ID	DepartmentName	FirstName	LastName	DateHired	Position	Salary
1	4001000	Human Resource	Ronald	KAUFMAN	2003-12-15	Manager	15000.00
2	4002000	Accounting	Midred	NETTER	2004-01-25	Accountant	13000.00
3	4003000	Finance	Williams	KELLER	2004-02-12	Cashier	17000.00
4	4004000	Marketing	Liza	JARDINE	2004-02-20	Secretary	19000.00
5	4005000	Registrar	Efren	KNOTTZ	2004-03-15	Supervisor	18000.00

6.

```
Select Position, DateHired, Salary, Salary+300 from St_Profile
Select Position, DateHired, Salary, Salary+300 AS "Salary plus 300" from St_Profile
```

100 %

Results | Messages

	Position	DateHired	Salary	(No column name)
1	Manager	2003-12-15 00:00:00.000	15000.00	15300.00
2	Accountant	2004-01-25 00:00:00.000	13000.00	13300.00
3	Cashier	2004-02-12 00:00:00.000	17000.00	17300.00
4	Secretary	2004-02-20 00:00:00.000	19000.00	19300.00
5	Supervisor	2004-03-15 00:00:00.000	18000.00	18300.00

	Position	DateHired	Salary	Salary plus 300
1	Manager	2003-12-15 00:00:00.000	15000.00	15300.00
2	Accountant	2004-01-25 00:00:00.000	13000.00	13300.00
3	Cashier	2004-02-12 00:00:00.000	17000.00	17300.00
4	Secretary	2004-02-20 00:00:00.000	19000.00	19300.00
5	Supervisor	2004-03-15 00:00:00.000	18000.00	18300.00

7.

```
Select Position, DateHired, Salary, 1000+Salary As NewSalary from St_Profile

Select Position, DateHired, Salary, Salary/25 As DividedSalary from St_Profil
```

100 %

Results | Messages

	Position	DateHired	Salary	NewSalary
1	Manager	2003-12-15 00:00:00.000	15000.00	16000.00
2	Accountant	2004-01-25 00:00:00.000	13000.00	14000.00
3	Cashier	2004-02-12 00:00:00.000	17000.00	18000.00
4	Secretary	2004-02-20 00:00:00.000	19000.00	20000.00
5	Supervisor	2004-03-15 00:00:00.000	18000.00	19000.00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

8.

```
Select Position, DateHired, Salary, Salary/25 As DividedSalary from St_Profile
```

100 %

Results | Messages

	Position	DateHired	Salary	DividedSalary
1	Manager	2003-12-15 00:00:00.000	15000.00	600.00
2	Accountant	2004-01-25 00:00:00.000	13000.00	520.00
3	Cashier	2004-02-12 00:00:00.000	17000.00	680.00
4	Secretary	2004-02-20 00:00:00.000	19000.00	760.00
5	Supervisor	2004-03-15 00:00:00.000	18000.00	720.00

9.

```
Select Position, DateHired, Salary, Salary % 27 As ModulusSalary from St_Profile
```

100 %

Results | Messages

	Position	DateHired	Salary	ModulusSalary
1	Manager	2003-12-15 00:00:00.000	15000.00	15.00
2	Accountant	2004-01-25 00:00:00.000	13000.00	13.00
3	Cashier	2004-02-12 00:00:00.000	17000.00	17.00
4	Secretary	2004-02-20 00:00:00.000	19000.00	19.00
5	Supervisor	2004-03-15 00:00:00.000	18000.00	18.00

10.

```
Select Position, DateHired, Salary, 12*Salary - 500 from St_Profile
Select Position, DateHired, Salary, 12*(Salary - 500) from St_Profile
```

100 %

Results | Messages

	Position	DateHired	Salary	(No column name)
1	Manager	2003-12-15 00:00:00.000	15000.00	179500.00
2	Accountant	2004-01-25 00:00:00.000	13000.00	155500.00
3	Cashier	2004-02-12 00:00:00.000	17000.00	203500.00
4	Secretary	2004-02-20 00:00:00.000	19000.00	227500.00
5	Supervisor	2004-03-15 00:00:00.000	18000.00	215500.00

	Position	DateHired	Salary	(No column name)
1	Manager	2003-12-15 00:00:00.000	15000.00	174000.00
2	Accountant	2004-01-25 00:00:00.000	13000.00	150000.00
3	Cashier	2004-02-12 00:00:00.000	17000.00	198000.00
4	Secretary	2004-02-20 00:00:00.000	19000.00	222000.00
5	Supervisor	2004-03-15 00:00:00.000	18000.00	210000.00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

11.

```
Select DepartmentName,FirstName,LastName AS LASTNAME from St_Transaction
Select DepartmentName,FirstName,LastName AS "My LASTNAME" from St_Transaction
```

100 %

Results | Messages

	DepartmentName	FirstName	LASTNAME
1	Human Resource	Ronald	KAUFMAN
2	Accounting	Midred	NETTER
3	Finance	Williams	KELLER
4	Marketing	Liza	JARDINE
5	Registrar	Efren	KNOTTZ

	DepartmentName	FirstName	My LASTNAME
1	Human Resource	Ronald	KAUFMAN
2	Accounting	Midred	NETTER
3	Finance	Williams	KELLER
4	Marketing	Liza	JARDINE
5	Registrar	Efren	KNOTTZ

12.

```
Select DepartmentName AS DEPARTAMENTO,FirstName AS UNANGPANGALAN, LastName as HULINGPANGALAN FROM St_Transaction
```

100 %

Results | Messages

	DEPARTAMENTO	UNANGPANGALAN	HULINGPANGALAN
1	Human Resource	Ronald	KAUFMAN
2	Accounting	Midred	NETTER
3	Finance	Williams	KELLER
4	Marketing	Liza	JARDINE
5	Registrar	Efren	KNOTTZ

13.

```
Select FirstName + ' A.' + LastName AS "Complete Name" from St_Transaction

Select FirstName + ' A.' + LastName AS "Complete Name" from St_Transaction
```

00 %

Results | Messages

	Complete Name
1	Ronald A.KAUFMAN
2	Midred A.NETTER
3	Williams A.KELLER
4	Liza A.JARDINE
5	Efren A.KNOTTZ

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

14.

```
Select FirstName + ' A. ' + LastName AS "Complete Name" from St_Transaction
```

```
Select FirstName + ' A. ' + LastName AS "Complete Name" from St_Transaction
```

100 %

Results | Messages

	Complete Name
1	Ronald A. KAUFMAN
2	Midred A. NETTER
3	Williams A. KELLER
4	Liza A. JARDINE
5	Efren A. KNOTTZ

15.

```
Select FirstName + ' A. ' + LastName AS "Complete Name" from St_Transaction
where DateHired < '2004-1-26'
```

100 %

Results | Messages

	Complete Name
1	Ronald A. KAUFMAN
2	Midred A. NETTER

16.

```
Select FirstName + ' B. ' + LastName AS "Complete Name" from St_Transaction
where DateHired>'2004-1-26' and LastName like 'K%';
```

100 %

Results | Messages

	Complete Name
1	Williams B. KELLER
2	Efren B. KNOTTZ

17.

```
Select LastName + ',' + FirstName + ' belongs to ' + DepartmentName AS "Employee Details"
from St_Transaction;
```

00 %

Results | Messages

	Employee Details
1	KAUFMAN,Ronald belongs to Human Resource
2	NETTER,Midred belongs to Accounting
3	KELLER,Williams belongs to Finance
4	JARDINE,Liza belongs to Marketing
5	KNOTTZ,Efren belongs to Registrar

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

1.

```
SELECT
    EMPLOYEE_ID,
    COUNT(*)
FROM
    Jobs_Status
WHERE
     EMPLOYEE_ID >= 170
    OR JOB_ID LIKE 'S%'
GROUP BY
    EMPLOYEE_ID;
```

121 %

Results | Messages

	EMPLOYEE_ID	(No column name)
1	114	1
2	176	2
3	200	1
4	201	1

2.

```
SELECT COUNT(*) AS TOTAL_RECORDS
FROM Jobs_Status
WHERE START_DATE > '5-Sep-95';
```

91 %

Results | Messages

	TOTAL_RECORDS
1	4

3.

```
SELECT JOB_ID,
COUNT(*) AS TOTAL_SALARY
FROM Job_Info
WHERE MAX_SALARY >= 9000
GROUP BY JOB_ID;
```

91 %

Results | Messages

	JOB_ID	TOTAL_SALARY
1	AC_ACCOUNT	1
2	AC_MGR	1
3	IT_PROG	1
4	MK_REP	1
5	SA_MAN	1
6	SA_REP	1

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

4.

```
SELECT
    EMPLOYEE_ID,
    COUNT(*)
FROM
    Jobs_Status
WHERE
     EMPLOYEE_ID >= 170
    OR JOB_ID LIKE 'S%'
GROUP BY
    EMPLOYEE_ID;
```

121 %

Results | Messages

	EMPLOYEE_ID	(No column name)
1	114	1
2	176	2
3	200	1
4	201	1

5.

```
SELECT
    JOB_ID + ' - ' + JOB_TITLE AS Job_Description,
    AVG(MIN_SALARY + MAX_SALARY) / 2 AS Average_Salary
FROM
    Job_Info
GROUP BY
    JOB_ID, JOB_TITLE;
```

Results | Messages

	Job_Description	Average_Salary
1	AC_MGR - Accounting Manager	12100
2	AD_ASST - Administration Assistant	4500
3	MK_REP - Marketing Representative	6500
4	IT_PROG - Programmer	7000
5	AC_ACCOUNT - Public Accountant	6600
6	SA_MAN - Sales Manager	15000
7	SA_REP - Sales Representative	9000
8	ST_CLERK - Stock Clerk	3500

6.

```
    SELECT
    CONCAT(START_DATE, ' - ', END_DATE, ' - ', JOB_ID) AS "EMPLOYEE'S JOB HISTORY"
FROM
    Jobs_Status;
```

91 %

Results | Messages

	EMPLOYEE'S JOB HISTORY
1	1993-01-13 - 1998-07-24 - IT_PROG
2	1989-09-21 - 1993-10-27 - AC_ACCOUNT
3	1993-10-28 - 1997-03-15 - AC_MGR
4	1996-02-17 - 1999-12-19 - MK_REP
5	1998-03-24 - 1999-12-31 - ST_CLERK
6	1987-09-17 - 1993-06-17 - AD_ASST
7	1998-03-24 - 1998-12-31 - SA_REP
8	1999-01-01 - 1999-12-31 - SA_MAN

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

7.

```
SELECT
    JOB_ID, JOB_TITLE,
    (MIN_SALARY * 0.35) + MIN_SALARY AS NEW_MINIMUM_SALARY,
     (MAX_SALARY * 0.85) + MAX_SALARY AS NEW_MAXIMUM_SALARY
FROM
    Job_Info;
```

1 %

Results | Messages

	JOB_ID	JOB_TITLE	NEW_MINIMUM_SALARY	NEW_MAXIMUM_SALARY
1	AD_ASST	Administration Assistant	4050.00	11100.00
2	AC_MGR	Accounting Manager	11070.00	29600.00
3	AC_ACCOUNT	Public Accountant	5670.00	16650.00
4	SA_MAN	Sales Manager	13500.00	37000.00
5	SA_REP	Sales Representative	8100.00	22200.00
6	ST_CLERK	Stock Clerk	2700.00	9250.00
7	IT_PROG	Programmer	5400.00	18500.00
8	MK_REP	Marketing Representative	5400.00	16650.00

8.

```
    SELECT
    JOB_ID,
    COUNT(*) AS "TOTAL RECORDS"
FROM
    Jobs_Status
WHERE
     EMPLOYEE_ID >= 170
    OR JOB_ID LIKE 'S%'
GROUP BY
    JOB_ID;
```

91 %

Results | Messages

	JOB_ID	TOTAL RECORDS
1	AD_ASST	1
2	MK_REP	1
3	SA_MAN	1
4	SA_REP	1
5	ST_CLERK	1

9.

```
EXEC sp_rename 'Jobs_Status.EMPLOYEE_ID',  'ST_ID', 'COLUMN';
SELECT * FROM Jobs_Status
```

91 %

Results | Messages

	ST_ID	START_DATE	END_DATE	JOB_ID
1	102	1993-01-13	1998-07-24	IT_PROG
2	101	1989-09-21	1993-10-27	AC_ACCOUNT
3	101	1993-10-28	1997-03-15	AC_MGR
4	201	1996-02-17	1999-12-19	MK_REP
5	114	1998-03-24	1999-12-31	ST_CLERK
6	200	1987-09-17	1993-06-17	AD_ASST
7	176	1998-03-24	1998-12-31	SA_REP
8	176	1999-01-01	1999-12-31	SA_MAN

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

10.

```
SELECT * FROM Job_Info J Inner Join Jobs_Status S on J.JOB_ID = S.JOB_ID;
```

91 %

Results | Messages

	JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	ST_ID	START_DATE	END_DATE	JOB_ID
1	AD_ASST	Administration Assistant	3000	6000	200	1987-09-17	1993-06-17	AD_ASST
2	AC_MGR	Accounting Manager	8200	16000	101	1993-10-28	1997-03-15	AC_MGR
3	AC_ACCOUNT	Public Accountant	4200	9000	101	1989-09-21	1993-10-27	AC_ACCOUNT
4	SA_MAN	Sales Manager	10000	20000	176	1999-01-01	1999-12-31	SA_MAN
5	SA_REP	Sales Representative	6000	12000	176	1998-03-24	1998-12-31	SA_REP
6	ST_CLERK	Stock Clerk	2000	5000	114	1998-03-24	1999-12-31	ST_CLERK
7	IT_PROG	Programmer	4000	10000	102	1993-01-13	1998-07-24	IT_PROG
8	MK_REP	Marketing Representative	4000	9000	201	1996-02-17	1999-12-19	MK_REP

11.

```
SELECT * FROM Job_Info J Right outer Join Jobs_Status S on J.JOB_ID = S.JOB_ID;
```

91 %

Results | Messages

	JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	ST_ID	START_DATE	END_DATE	JOB_ID
1	IT_PROG	Programmer	4000	10000	102	1993-01-13	1998-07-24	IT_PROG
2	AC_ACCOUNT	Public Accountant	4200	9000	101	1989-09-21	1993-10-27	AC_ACCOUNT
3	AC_MGR	Accounting Manager	8200	16000	101	1993-10-28	1997-03-15	AC_MGR
4	MK_REP	Marketing Representative	4000	9000	201	1996-02-17	1999-12-19	MK_REP
5	ST_CLERK	Stock Clerk	2000	5000	114	1998-03-24	1999-12-31	ST_CLERK
6	AD_ASST	Administration Assistant	3000	6000	200	1987-09-17	1993-06-17	AD_ASST
7	SA_REP	Sales Representative	6000	12000	176	1998-03-24	1998-12-31	SA_REP
8	SA_MAN	Sales Manager	10000	20000	176	1999-01-01	1999-12-31	SA_MAN

12.

```
SELECT * FROM Job_Info J Left outer Join Jobs_Status S on J.JOB_ID = S.JOB_ID;
```

91 %

Results | Messages

	JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	ST_ID	START_DATE	END_DATE	JOB_ID
1	AD_ASST	Administration Assistant	3000	6000	200	1987-09-17	1993-06-17	AD_ASST
2	AC_MGR	Accounting Manager	8200	16000	101	1993-10-28	1997-03-15	AC_MGR
3	AC_ACCOUNT	Public Accountant	4200	9000	101	1989-09-21	1993-10-27	AC_ACCOUNT
4	SA_MAN	Sales Manager	10000	20000	176	1999-01-01	1999-12-31	SA_MAN
5	SA_REP	Sales Representative	6000	12000	176	1998-03-24	1998-12-31	SA_REP
6	ST_CLERK	Stock Clerk	2000	5000	114	1998-03-24	1999-12-31	ST_CLERK
7	IT_PROG	Programmer	4000	10000	102	1993-01-13	1998-07-24	IT_PROG
8	MK_REP	Marketing Representative	4000	9000	201	1996-02-17	1999-12-19	MK_REP

13.

```
SELECT * FROM Job_Info J Full outer Join Jobs_Status S on J.JOB_ID = S.JOB_ID;
```

91 %

Results | Messages

	JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	ST_ID	START_DATE	END_DATE	JOB_ID
1	AD_ASST	Administration Assistant	3000	6000	200	1987-09-17	1993-06-17	AD_ASST
2	AC_MGR	Accounting Manager	8200	16000	101	1993-10-28	1997-03-15	AC_MGR
3	AC_ACCOUNT	Public Accountant	4200	9000	101	1989-09-21	1993-10-27	AC_ACCOUNT
4	SA_MAN	Sales Manager	10000	20000	176	1999-01-01	1999-12-31	SA_MAN
5	SA_REP	Sales Representative	6000	12000	176	1998-03-24	1998-12-31	SA_REP
6	ST_CLERK	Stock Clerk	2000	5000	114	1998-03-24	1999-12-31	ST_CLERK
7	IT_PROG	Programmer	4000	10000	102	1993-01-13	1998-07-24	IT_PROG
8	MK_REP	Marketing Representative	4000	9000	201	1996-02-17	1999-12-19	MK_REP

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

1.

```
CREATE TABLE Job_Salary(
JOB_ID VARCHAR(25),
JOB_TITLE VARCHAR(50),
MIN_SALARY MONEY,
MAX_SALARY MONEY
);
INSERT INTO Job_Salary(JOB_ID, JOB_TITLE, MIN_SALARY, MAX_SALARY)
VALUES ('AD_ASST','Administration Assistant',3000,6000),
('AC_MGR','Accounting Manager',8200,16000),
('AC_ACCOUNT','Public Accountant',4200,9000),
('SA_MAN','Sales Manager',10000,20000),
('SA_REP','Sales Representative',6000,12000),
('ST_CLERK','Stock Clerk',2000,5000),
('IT_PROG','Programmer',4000,10000),
('MK_REP','Marketing Representative',4000,9000);
```

	JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
1	AD_ASST	Administration Assistant	3000.00	6000.00
2	AC_MGR	Accounting Manager	8200.00	16000.00
3	AC_ACCOUNT	Public Accountant	4200.00	9000.00
4	SA_MAN	Sales Manager	10000.00	20000.00
5	SA_REP	Sales Representative	6000.00	12000.00
6	ST_CLERK	Stock Clerk	2000.00	5000.00
7	IT_PROG	Programmer	4000.00	10000.00
8	MK_REP	Marketing Representative	4000.00	9000.00

2.

```
CREATE TABLE Job_Description(
EMPLOYEE_ID INT,
START_DATE DATE,
END_DATE DATE,
JOB_ID VARCHAR(25)
);
INSERT INTO Job_Description(EMPLOYEE_ID, START_DATE, END_DATE, JOB_ID)
VALUES(102,'13-JAN-93','24-JUL-98','IT-PROG'),
(101, '21-SEP-89','27-OCT-93','AC_ACCOUNT'),
(101, '28-OCT-93','15-MAR-97','AC_MGR'),
(201, '17-FEB-96','19-DEC-99','MK_REP'),
(114, '24-MAR-98','31-DEC-99','ST_CLERK'),
(200, '17-SEP-87','17-JUN-93','AD_ASST'),
(176, '24-MAR-98', '31-DEC-98', 'SA_REP'),
(176, '1-JAN-99', '31-DEC-99', 'SA_MAN');
```

	EMPLOYEE_ID	START_DATE	END_DATE	JOB_ID
1	102	1993-01-13	1998-07-24	IT-PROG
2	101	1989-09-21	1993-10-27	AC_ACCOUNT
3	101	1993-10-28	1997-03-15	AC_MGR
4	201	1996-02-17	1999-12-19	MK_REP
5	114	1998-03-24	1999-12-31	ST_CLERK
6	200	1987-09-17	1993-06-17	AD_ASST
7	176	1998-03-24	1998-12-31	SA_REP
8	176	1999-01-01	1999-12-31	SA_MAN

3.

```
SELECT js.JOB_ID, jd.EMPLOYEE_ID, js.JOB_TITLE, js.MIN_SALARY, js.MAX_SALARY, jd.START_DATE
FROM Job_Salary js
FULL OUTER JOIN Job_Description jd ON js.JOB_ID = jd.JOB_ID;
```

83 %

Results | Messages

	JOB_ID	EMPLOYEE_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	START_DATE
1	AD_ASST	200	Administration Assistant	3000.00	6000.00	1987-09-17
2	AC_MGR	101	Accounting Manager	8200.00	16000.00	1993-10-28
3	AC_ACCOUNT	101	Public Accountant	4200.00	9000.00	1989-09-21
4	SA_MAN	176	Sales Manager	10000.00	20000.00	1999-01-01
5	SA_REP	176	Sales Representative	6000.00	12000.00	1998-03-24
6	ST_CLERK	114	Stock Clerk	2000.00	5000.00	1998-03-24
7	IT_PROG	102	Programmer	4000.00	10000.00	1993-01-13
8	MK_REP	201	Marketing Representative	4000.00	9000.00	1996-02-17

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

4.

```
SELECT js.JOB_ID, jd.EMPLOYEE_ID, js.JOB_TITLE, js.MIN_SALARY, js.MAX_SALARY, jd.START_DATE
FROM Job_Salary js
JOIN Job_Description jd ON js.JOB_ID = jd.JOB_ID;
```

Results | Messages

	JOB_ID	EMPLOYEE_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	START_DATE
1	AD_ASST	200	Administration Assistant	3000.00	6000.00	1987-09-17
2	AC_MGR	101	Accounting Manager	8200.00	16000.00	1993-10-28
3	AC_ACCOUNT	101	Public Accountant	4200.00	9000.00	1989-09-21
4	SA_MAN	176	Sales Manager	10000.00	20000.00	1999-01-01
5	SA_REP	176	Sales Representative	6000.00	12000.00	1998-03-24
6	ST_CLERK	114	Stock Clerk	2000.00	5000.00	1998-03-24
7	IT_PROG	102	Programmer	4000.00	10000.00	1993-01-13
8	MK_REP	201	Marketing Representative	4000.00	9000.00	1996-02-17

5.

```
SELECT js.JOB_ID, jd.EMPLOYEE_ID, js.JOB_TITLE, js.MIN_SALARY, js.MAX_SALARY, jd.START_DATE
FROM Job_Salary js
RIGHT OUTER JOIN Job_Description jd ON js.JOB_ID = jd.JOB_ID;
```

Results | Messages

	JOB_ID	EMPLOYEE_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	START_DATE
1	IT_PROG	102	Programmer	4000.00	10000.00	1993-01-13
2	AC_ACCOUNT	101	Public Accountant	4200.00	9000.00	1989-09-21
3	AC_MGR	101	Accounting Manager	8200.00	16000.00	1993-10-28
4	MK_REP	201	Marketing Representative	4000.00	9000.00	1996-02-17
5	ST_CLERK	114	Stock Clerk	2000.00	5000.00	1998-03-24
6	AD_ASST	200	Administration Assistant	3000.00	6000.00	1987-09-17
7	SA_REP	176	Sales Representative	6000.00	12000.00	1998-03-24
8	SA_MAN	176	Sales Manager	10000.00	20000.00	1999-01-01

6.

```
SELECT js.JOB_ID, jd.EMPLOYEE_ID, js.JOB_TITLE, js.MIN_SALARY, js.MAX_SALARY, jd.START_DATE
FROM Job_Salary js
LEFT OUTER JOIN Job_Description jd ON js.JOB_ID = jd.JOB_ID;
```

Results | Messages

	JOB_ID	EMPLOYEE_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	START_DATE
1	AD_ASST	200	Administration Assistant	3000.00	6000.00	1987-09-17
2	AC_MGR	101	Accounting Manager	8200.00	16000.00	1993-10-28
3	AC_ACCOUNT	101	Public Accountant	4200.00	9000.00	1989-09-21
4	SA_MAN	176	Sales Manager	10000.00	20000.00	1999-01-01
5	SA_REP	176	Sales Representative	6000.00	12000.00	1998-03-24
6	ST_CLERK	114	Stock Clerk	2000.00	5000.00	1998-03-24
7	IT_PROG	102	Programmer	4000.00	10000.00	1993-01-13
8	MK_REP	201	Marketing Representative	4000.00	9000.00	1996-02-17

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

7.

```
SELECT js.JOB_ID, jd.EMPLOYEE_ID, js.JOB_TITLE, js.MIN_SALARY, js.MAX_SALARY, jd.START_DATE
FROM Job_Salary js
CROSS JOIN Job_Description jd;
```

	JOB_ID	EMPLOYEE_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	START_DATE
1	AD_ASST	102	Administration Assistant	3000.00	6000.00	1993-01-13
2	AC_MGR	102	Accounting Manager	8200.00	16000.00	1993-01-13
3	AC_ACCOUNT	102	Public Accountant	4200.00	9000.00	1993-01-13
4	SA_MAN	102	Sales Manager	10000.00	20000.00	1993-01-13
5	SA_REP	102	Sales Representative	6000.00	12000.00	1993-01-13
6	ST_CLERK	102	Stock Clerk	2000.00	5000.00	1993-01-13
7	IT_PROG	102	Programmer	4000.00	10000.00	1993-01-13
8	MK_REP	102	Marketing Representative	4000.00	9000.00	1993-01-13
9	AD_ASST	101	Administration Assistant	3000.00	6000.00	1989-09-21
10	AC_MGR	101	Accounting Manager	8200.00	16000.00	1989-09-21
11	AC_ACCOUNT	101	Public Accountant	4200.00	9000.00	1989-09-21
12	SA_MAN	101	Sales Manager	10000.00	20000.00	1989-09-21
13	SA_REP	101	Sales Representative	6000.00	12000.00	1989-09-21
14	ST_CLERK	101	Stock Clerk	2000.00	5000.00	1989-09-21
15	IT_PROG	101	Programmer	4000.00	10000.00	1989-09-21
16	MK_REP	101	Marketing Representative	4000.00	9000.00	1989-09-21
17	AD_ASST	101	Administration Assistant	3000.00	6000.00	1993-10-28
18	AC_MGR	101	Accounting Manager	8200.00	16000.00	1993-10-28
19	AC_ACCOUNT	101	Public Accountant	4200.00	9000.00	1993-10-28
20	SA_MAN	101	Sales Manager	10000.00	20000.00	1993-10-28
21	SA_REP	101	Sales Representative	6000.00	12000.00	1993-10-28
22	ST_CLERK	101	Stock Clerk	2000.00	5000.00	1993-10-28
23	IT_PROG	101	Programmer	4000.00	10000.00	1993-10-28
24	MK_REP	101	Marketing Representative	4000.00	9000.00	1993-10-28
25	AD_ASST	201	Administration Assistant	3000.00	6000.00	1996-02-17
26	AC_MGR	201	Accounting Manager	8200.00	16000.00	1996-02-17
27	AC_ACCOUNT	201	Public Accountant	4200.00	9000.00	1996-02-17
28	SA_MAN	201	Sales Manager	10000.00	20000.00	1996-02-17
29	SA_REP	201	Sales Representative	6000.00	12000.00	1996-02-17
30	ST_CLERK	201	Stock Clerk	2000.00	5000.00	1996-02-17
31	IT_PROG	201	Programmer	4000.00	10000.00	1996-02-17
32	MK_REP	201	Marketing Representative	4000.00	9000.00	1996-02-17
33	AD_ASST	114	Administration Assistant	3000.00	6000.00	1998-03-24
34	AC_MGR	114	Accounting Manager	8200.00	16000.00	1998-03-24
35	AC_ACCOUNT	114	Public Accountant	4200.00	9000.00	1998-03-24
36	SA_MAN	114	Sales Manager	10000.00	20000.00	1998-03-24
37	SA_REP	114	Sales Representative	6000.00	12000.00	1998-03-24
38	ST_CLERK	114	Stock Clerk	2000.00	5000.00	1998-03-24
39	IT_PROG	114	Programmer	4000.00	10000.00	1998-03-24
40	MK_REP	114	Marketing Representative	4000.00	9000.00	1998-03-24
41	AD_ASST	200	Administration Assistant	3000.00	6000.00	1987-09-17
42	AC_MGR	200	Accounting Manager	8200.00	16000.00	1987-09-17
43	AC_ACCOUNT	200	Public Accountant	4200.00	9000.00	1987-09-17
44	SA_MAN	200	Sales Manager	10000.00	20000.00	1987-09-17
45	SA_REP	200	Sales Representative	6000.00	12000.00	1987-09-17
46	ST_CLERK	200	Stock Clerk	2000.00	5000.00	1987-09-17
47	IT_PROG	200	Programmer	4000.00	10000.00	1987-09-17
48	MK_REP	200	Marketing Representative	4000.00	9000.00	1987-09-17
49	AD_ASST	176	Administration Assistant	3000.00	6000.00	1998-03-24
50	AC_MGR	176	Accounting Manager	8200.00	16000.00	1998-03-24
51	AC_ACCOUNT	176	Public Accountant	4200.00	9000.00	1998-03-24
52	SA_MAN	176	Sales Manager	10000.00	20000.00	1998-03-24
53	SA_REP	176	Sales Representative	6000.00	12000.00	1998-03-24
54	ST_CLERK	176	Stock Clerk	2000.00	5000.00	1998-03-24
55	IT_PROG	176	Programmer	4000.00	10000.00	1998-03-24
56	MK_REP	176	Marketing Representative	4000.00	9000.00	1998-03-24
57	AD_ASST	176	Administration Assistant	3000.00	6000.00	1999-01-01
58	AC_MGR	176	Accounting Manager	8200.00	16000.00	1999-01-01
59	AC_ACCOUNT	176	Public Accountant	4200.00	9000.00	1999-01-01
60	SA_MAN	176	Sales Manager	10000.00	20000.00	1999-01-01
61	SA_REP	176	Sales Representative	6000.00	12000.00	1999-01-01
62	ST_CLERK	176	Stock Clerk	2000.00	5000.00	1999-01-01
63	IT_PROG	176	Programmer	4000.00	10000.00	1999-01-01
64	MK_REP	176	Marketing Representative	4000.00	9000.00	1999-01-01

8.

```
SELECT JOB_ID, JOB_TITLE, (MIN_SALARY * 0.35) + MIN_SALARY AS "New Minimum Salary", (MAX_SALARY * 0.85) + MAX_SALARY AS "New Maximum Salary"
FROM Job_Salary;
```

33 %

Results | Messages

	JOB_ID	JOB_TITLE	New Minimum Salary	New Maximum Salary
1	AD_ASST	Administration Assistant	4050.000000	11100.000000
2	AC_MGR	Accounting Manager	11070.000000	29600.000000
3	AC_ACCOUNT	Public Accountant	5670.000000	16650.000000
4	SA_MAN	Sales Manager	13500.000000	37000.000000
5	SA_REP	Sales Representative	8100.000000	22200.000000
6	ST_CLERK	Stock Clerk	2700.000000	9250.000000
7	IT_PROG	Programmer	5400.000000	18500.000000
8	MK_REP	Marketing Represent...	5400.000000	16650.000000

9.

```
SELECT MIN(MIN_SALARY) AS 'MINIMUM', MAX(MIN_SALARY) AS 'MAXIMUM', AVG(MIN_SALARY) AS 'AVERAGE', MIN(MAX_SALARY) AS 'MINIMUM', MIN(MAX_SALARY) AS 'MAXIMUM', AVG(MAX_SALARY) AS 'AVERAGE'
```

5 %

Results | Messages

	MINIMUM	MAXIMUM	AVERAGE	MINIMUM	MAXIMUM	AVERAGE
1	2000.00	10000.00	5175.00	5000.00	5000.00	10875.00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

10.

```
SELECT js.JOB_ID, jd.EMPLOYEE_ID, js.JOB_TITLE, js.MIN_SALARY, js.MAX_SALARY, jd.START_DATE
FROM Job_Salary js
INNER JOIN Job_Description jd ON js.JOB_ID = jd.JOB_ID;
```

75 %

Results | Messages

	JOB_ID	EMPLOYEE_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	START_DATE
1	AD_ASST	200	Administration Assistant	3000.00	6000.00	1987-09-17
2	AC_MGR	101	Accounting Manager	8200.00	16000.00	1993-10-28
3	AC_ACCOUNT	101	Public Accountant	4200.00	9000.00	1989-09-21
4	SA_MAN	176	Sales Manager	10000.00	20000.00	1999-01-01
5	SA_REP	176	Sales Representative	6000.00	12000.00	1998-03-24
6	ST_CLERK	114	Stock Clerk	2000.00	5000.00	1998-03-24
7	IT_PROG	102	Programmer	4000.00	10000.00	1993-01-13
8	MK_REP	201	Marketing Representative	4000.00	9000.00	1996-02-17

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

CASE CONVERSION FUNCTIONS:

```
SELECT JOB_ID, UPPER(JOB_TITLE) "UPPER JOB TITLE", LOWER(JOB_TITLE) "LOWER JOB TITLE"
FROM Job_Salary;
```

100 %

Results | Messages

	JOB_ID	UPPER JOB TITLE	LOWER JOB TITLE
1	AD_ASST	ADMINISTRATION ASSISTANT	administration assistant
2	AC_MGR	ACCOUNTING MANAGER	accounting manager
3	AC_ACCOUNT	PUBLIC ACCOUNTANT	public accountant
4	SA_MAN	SALES MANAGER	sales manager
5	SA_REP	SALES REPRESENTATIVE	sales representative
6	ST_CLERK	STOCK CLERK	stock clerk
7	IT_PROG	PROGRAMMER	programmer
8	MK_REP	MARKETING REPRESENTATIVE	marketing representative

CHARACTER/STRING MANIPULATION FUNCTIONS:

```
SELECT DISTINCT JOB_TITLE, LEN(JOB_TITLE) LENGTH
FROM Job_Salary;
```

00 %

Results | Messages

	JOB_TITLE	LENGTH
1	Accounting Manager	18
2	Administration Assistant	24
3	Marketing Representative	24
4	Programmer	10
5	Public Accountant	17
6	Sales Manager	13
7	Sales Representative	20
8	Stock Clerk	11

```
SELECT JOB_TITLE, LEFT(JOB_TITLE, 5)AS 'LEFT',RIGHT(JOB_TITLE, 5)AS 'RIGHT'
FROM Job_Salary;
```

100 %

Results | Messages

	JOB_TITLE	LEFT	RIGHT
1	Administration Assistant	Admin	stant
2	Accounting Manager	Accou	nager
3	Public Accountant	Publi	ntant
4	Sales Manager	Sales	nager
5	Sales Representative	Sales	ative
6	Stock Clerk	Stock	Clerk
7	Programmer	Progr	ammer
8	Marketing Representative	Marke	ative

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

```
SELECT LTRIM('   hello   world   ') AS 'LTRIM',
RTRIM('         hello world     ') AS 'RTRIM'
```

100 %

Results | Messages

	LTRIM	RTRIM
1	hello world	hello world

```
SELECT REPLACE('abcdefghi','bcd','!!!')REPLACE;

SELECT REPLICATE(JOB_ID,2) REPLICATE
FROM Job_Description;
```

100 %

Results | Messages

	REPLACE
1	a!!!efghi

	REPLICATE
1	IT_PROG IT_PROG
2	AC_ACCOUNT AC_ACCOUNT
3	AC_MGR AC_MGR
4	MK_REP MK_REP
5	ST_CLERK ST_CLERK
6	AD_ASST AD_ASST
7	SA_REP SA_REP
8	SA_MAN SA_MAN

```
SELECT JOB_ID,
SUBSTRING (JOB_ID,2,5)SUBSTRING
FROM Job_Salary;
```

100 %

Results | Messages

	JOB_ID	SUBSTRING
1	AD_ASST	D_ASS
2	AC_MGR	C_MGR
3	AC_ACCOUNT	C_ACC
4	SA_MAN	A_MAN
5	SA_REP	A_REP
6	ST_CLERK	T_CLE
7	IT_PROG	T_PRO
8	MK_REP	K_REP

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

```
SELECT DISTINCT JOB_TITLE,
CHARINDEX('ale',JOB_TITLE) CHARINDEX
FROM Job_Salary;
```

100 %

Results | Messages

	JOB_TITLE	CHARINDEX
1	Accounting Manager	0
2	Administration Assistant	0
3	Marketing Representative	0
4	Programmer	0
5	Public Accountant	0
6	Sales Manager	2
7	Sales Representative	2
8	Stock Clerk	0

MATHEMICAL FUNCTIONS:

```
SELECT ABS(-1.0)ABS, POWER(2,2)POWER,CEILING(123.45)CEILING,FLOOR(123.45)FLOOR,ROUND(748.58, -1)ROUND;
```

100 %

Results | Messages

	ABS	POWER	CEILING	FLOOR	ROUND
1	1.0	4	124	123	750.00

DATE FUNCTIONS:

```
SELECT GETDATE()GETDATE;

SELECT START_DATE, DATEADD(dd,3,START_DATE) AddDays,
DATEADD(mm,2,START_DATE) AddMonths,
DATEADD(yy,1,START_DATE) AddYear
FROM Job_Description;
```

100 %

Results | Messages

	GETDATE
1	2024-11-26 09:53:29.880

	START_DATE	AddDays	AddMonths	AddYear
1	1993-01-13	1993-01-16	1993-03-13	1994-01-13
2	1989-09-21	1989-09-24	1989-11-21	1990-09-21
3	1993-10-28	1993-10-31	1993-12-28	1994-10-28
4	1996-02-17	1996-02-20	1996-04-17	1997-02-17
5	1998-03-24	1998-03-27	1998-05-24	1999-03-24
6	1987-09-17	1987-09-20	1987-11-17	1988-09-17
7	1998-03-24	1998-03-27	1998-05-24	1999-03-24
8	1999-01-01	1999-01-04	1999-03-01	2000-01-01

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

```
SELECT START_DATE,
DATEDIFF(dd,START_DATE,GETDATE()) DiffDays,
DATEDIFF(mm,START_DATE,GETDATE())DiffMonth,
DATEDIFF(yy,START_DATE,GETDATE()) DiffYear
FROM Job_Description;

SELECT DATENAME(mm, getdate())
AS 'Month Name'
```

100 %

Results | Messages

	START_DATE	DiffDays	DiffMonth	DiffYear
1	1993-01-13	11640	382	31
2	1989-09-21	12850	422	35
3	1993-10-28	11352	373	31
4	1996-02-17	10510	345	28
5	1998-03-24	9744	320	26
6	1987-09-17	13585	446	37
7	1998-03-24	9744	320	26
8	1999-01-01	9461	310	25

	Month Name
1	November

```
SELECT DATEPART(mm, GETDATE()) AS 'Month',
DATEPART(day, GETDATE()) AS 'Day',
DATEPART(year, GETDATE()) AS 'Year'
```

100 %

Results | Messages

	Month	Day	Year
1	11	26	2024

CONVERSION FUNCTIONS:

```
SELECT START_DATE,
CAST(START_DATE AS varchar(11))CAST
FROM Job_Description;

SELECT CONVERT( VARCHAR, GETDATE() ) AS 'CONVERT'
```

100 %

Results | Messages

	START_DATE	CAST
1	1993-01-13	1993-01-13
2	1989-09-21	1989-09-21
3	1993-10-28	1993-10-28
4	1996-02-17	1996-02-17
5	1998-03-24	1998-03-24
6	1987-09-17	1987-09-17
7	1998-03-24	1998-03-24
8	1999-01-01	1999-01-01

	CONVERT
1	Nov 26 2024 9:55AM

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

CREATE TABLE:

```
CREATE TABLE CUSTOMERS(
ID INT NOT NULL,
NAME VARCHAR(20) NOT NULL,
AGE INT NOT NULL,
ADDRESS CHAR(25),
SALARY DECIMAL(18,2),
PRIMARY KEY(ID)
);
```

```
CREATE TABLE ORDERS(
OID INT NOT NULL,
DATE VARCHAR(20) NOT NULL,
CUSTOMER_ID INT NOT NULL,
AMOUNT DECIMAL(18,2)
);
```

```
CREATE TABLE EMPLOYEE(
EID INT NOT NULL,
EMPLOYEE_NAME VARCHAR(30) NOT NULL,
SALES_MADE DECIMAL(20)
);
```

INSERT INTO / VALUES:

```
INSERT INTO CUSTOMERS VALUES(1, 'Ramesh', 32,'Ahmedabad',2000.00),
   (2,'Khilan',25,'Delhi',1500.00),
   (3,'Kaushik',23,'Kota',2000.00),
   (4,'Chaitali',25,'Mumbai',6500.00),
   (5,'Hardik',27,'Bhopal',8500.00),
   (6,'Komal',22,'Hyberabad',4500.00),
   (7,'Muffy',24,'Indore',10000.00);

INSERT INTO ORDERS VALUES (102, '2009-10-08 00:00:00', 3, 3000.00),
(100, '2009-10-08 00:00:00', 3, 1500.00),
(101, '2009-11-20 00:00:00', 2, 1560.00),
(103, '2008-05-20 00:00:00', 4, 2060.00);

INSERT INTO EMPLOYEE VALUES
(102, 'SARIKA', 4500),
(100, 'ALEKHYA', 3623),
(101, 'REVATHI', 1291),
(103, 'VIVEK', 3426);
```

JOIN:

```
SELECT ID,NAME,AGE,AMOUNT
FROM CUSTOMERS
JOIN ORDERS ON
CUSTOMERS.ID = ORDERS.CUSTOMER_ID
WHERE age = 25;
```

91 %

Results | Messages

	ID	NAME	AGE	AMOUNT
1	2	Khilan	25	1560.00
2	4	Chaitali	25	2060.00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

INNER JOIN:

```
SELECT ID, NAME,AGE,AMOUNT,DATE
FROM CUSTOMERS
INNER JOIN ORDERS
ON CUSTOMERS.ID =ORDERS.CUSTOMER_ID
where amount<2000;
```

	ID	NAME	AGE	AMOUNT	DATE
1	3	Kaushik	23	1500.00	2009-10-08 00:00:00
2	2	Khilan	25	1560.00	2009-11-20 00:00:00

```
SELECT OID,DATE,AMOUNT,EMPLOYEE_NAME
FROM CUSTOMERS
INNER JOIN ORDERS
ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
INNER JOIN EMPLOYEE
ON ORDERS.OID = EMPLOYEE.EID ORDER BY oid;
```

	OID	DATE	AMOUNT	EMPLOYEE_NAME
1	100	2009-10-08 00:00:00	1500.00	ALEKHYA
2	101	2009-11-20 00:00:00	1560.00	REVATHI
3	102	2009-10-08 00:00:00	3000.00	SARIKA
4	103	2008-05-20 00:00:00	2060.00	VIVEK

```
SELECT ID, NAME,DATE,AMOUNT FROM CUSTOMERS
INNER JOIN ORDERS
ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
WHERE ORDERS.AMOUNT >2000.00;
```

	ID	NAME	DATE	AMOUNT
1	3	Kaushik	2009-10-08 00:00:00	3000.00
2	4	Chaitali	2008-05-20 00:00:00	2060.00

LEFT JOIN:

```
SELECT CUSTOMERS.ID,CUSTOMERS.NAME,ORDERS.DATE,EMPLOYEE.EMPLOYEE_NAME
FROM CUSTOMERS
LEFT JOIN ORDERS
ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
LEFT JOIN EMPLOYEE
ON ORDERS.OID= EMPLOYEE.EID;
```

	ID	NAME	DATE	EMPLOYEE_NAME
1	1	Ramesh	NULL	NULL
2	2	Khilan	2009-11-20 00:00:00	REVATHI
3	3	Kaushik	2009-10-08 00:00:00	SARIKA
4	3	Kaushik	2009-10-08 00:00:00	ALEKHYA
5	4	Chaitali	2008-05-20 00:00:00	VIVEK
6	5	Hardik	NULL	NULL
7	6	Komal	NULL	NULL
8	7	Muffy	NULL	NULL

RIGHT JOIN:

```
SELECT ID, NAME,AMOUNT,DATE
FROM CUSTOMERS
RIGHT JOIN ORDERS
ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID;
```

	ID	NAME	AMOUNT	DATE
1	3	Kaushik	3000.00	2009-10-08 00:00:00
2	3	Kaushik	1500.00	2009-10-08 00:00:00
3	2	Khilan	1560.00	2009-11-20 00:00:00
4	4	Chaitali	2060.00	2008-05-20 00:00:00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

CROSS JOIN:

```
SELECT ID, NAME,AMOUNT,DATE
FROM CUSTOMERS
CROSS JOIN ORDERS;
```

91 %

Results | Messages

	ID	NAME	AMOUNT	DATE
1	1	Ramesh	3000.00	2009-10-08 00:00:00
2	2	Khilan	3000.00	2009-10-08 00:00:00
3	3	Kaushik	3000.00	2009-10-08 00:00:00
4	4	Chaitali	3000.00	2009-10-08 00:00:00
5	5	Hardik	3000.00	2009-10-08 00:00:00
6	6	Komal	3000.00	2009-10-08 00:00:00
7	7	Muffy	3000.00	2009-10-08 00:00:00
8	1	Ramesh	1500.00	2009-10-08 00:00:00
9	2	Khilan	1500.00	2009-10-08 00:00:00
10	3	Kaushik	1500.00	2009-10-08 00:00:00
11	4	Chaitali	1500.00	2009-10-08 00:00:00
12	5	Hardik	1500.00	2009-10-08 00:00:00
13	6	Komal	1500.00	2009-10-08 00:00:00
14	7	Muffy	1500.00	2009-10-08 00:00:00
15	1	Ramesh	1560.00	2009-11-20 00:00:00
16	2	Khilan	1560.00	2009-11-20 00:00:00
17	3	Kaushik	1560.00	2009-11-20 00:00:00
18	4	Chaitali	1560.00	2009-11-20 00:00:00
19	5	Hardik	1560.00	2009-11-20 00:00:00
20	6	Komal	1560.00	2009-11-20 00:00:00
21	7	Muffy	1560.00	2009-11-20 00:00:00
22	1	Ramesh	2060.00	2008-05-20 00:00:00
23	2	Khilan	2060.00	2008-05-20 00:00:00
24	3	Kaushik	2060.00	2008-05-20 00:00:00
25	4	Chaitali	2060.00	2008-05-20 00:00:00
26	5	Hardik	2060.00	2008-05-20 00:00:00
27	6	Komal	2060.00	2008-05-20 00:00:00
28	7	Muffy	2060.00	2008-05-20 00:00:00

FULL JOIN:

```
SELECT ID,NAME,AMOUNT,DATE
FROM CUSTOMERS
FULL JOIN ORDERS
ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID;
```

91 %

Results | Messages

	ID	NAME	AMOUNT	DATE
1	1	Ramesh	NULL	NULL
2	2	Khilan	1560.00	2009-11-20 00:00:00
3	3	Kaushik	3000.00	2009-10-08 00:00:00
4	3	Kaushik	1500.00	2009-10-08 00:00:00
5	4	Chaitali	2060.00	2008-05-20 00:00:00
6	5	Hardik	NULL	NULL
7	6	Komal	NULL	NULL
8	7	Muffy	NULL	NULL

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

QUERY 1:

```
CREATE TABLE CUSTOMERS(
ID INT NOT NULL,
NAME VARCHAR(20) NOT NULL,
AGE INT NOT NULL,
ADDRESS CHAR(25),
SALARY DECIMAL(18,2),
PRIMARY KEY(ID)
);
```

```
Messages
Commands completed successfully.

Completion time: 2024-12-03T10:50:03.8000331+08:00
```

QUERY 2:

```
INSERT INTO CUSTOMERS VALUES(1, 'Ramesh', 32,'Ahmedabad',2000.00),
    (2,'Khilan',25,'Delhi',1500.00),
    (3,'Kaushik',23,'Kota',2000.00),
    (4,'Chaitali',25,'Mumbai',6500.00),
    (5,'Hardik',27,'Bhopal',8500.00),
    (6,'Komal',22,'Hyberabad',4500.00),
    (7,'Muffy',24,'Indore',10000.00);
```

```
Messages

(7 rows affected)

Completion time: 2024-12-03T10:50:51.8175866+08:00
```

QUERY 3:

```
CREATE VIEW CUSTOMERS_VIEW AS SELECT * FROM CUSTOMERS;
SELECT * FROM CUSTOMERS_VIEW;
```

Results | Messages

	ID	NAME	AGE	ADDRESS	SALARY
1	1	Ramesh	32	Ahmedabad	2000.00
2	2	Khilan	25	Delhi	1500.00
3	3	Kaushik	23	Kota	2000.00
4	4	Chaitali	25	Mumbai	6500.00
5	5	Hardik	27	Bhopal	8500.00
6	6	Komal	22	Hyberabad	4500.00
7	7	Muffy	24	Indore	10000.00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

QUERY 4:

```
CREATE VIEW COSTINFO_VIEW AS SELECT ID,AGE,SALARY FROM CUSTOMERS;
SELECT * FROM COSTINFO_VIEW;
```

100 %

Results | Messages

	ID	AGE	SALARY
1	1	32	2000.00
2	2	25	1500.00
3	3	23	2000.00
4	4	25	6500.00
5	5	27	8500.00
6	6	22	4500.00
7	7	24	10000.00

QUERY 5:

```
CREATE VIEW JP_VIEW AS SELECT * FROM CUSTOMERS
WHERE SALARY > 3000;
SELECT* FROM JP_VIEW;
```

100 %

Results | Messages

	ID	NAME	AGE	ADDRESS	SALARY
1	4	Chaitali	25	Mumbai	6500.00
2	5	Hardik	27	Bhopal	8500.00
3	6	Komal	22	Hyberabad	4500.00
4	7	Muffy	24	Indore	10000.00

QUERY 6:

```
CREATE VIEW DAQUIS_VIEW AS
SELECT NAME, AGE, SALARY
FROM CUSTOMERS
WHERE AGE>= 25
WITH CHECK OPTION;
SELECT * FROM DAQUIS_VIEW;
```

100 %

Results | Messages

	NAME	AGE	SALARY
1	Ramesh	32	2000.00
2	Khilan	25	1500.00
3	Chaitali	25	6500.00
4	Hardik	27	8500.00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

QUERY 7:

```
UPDATE JP_VIEW
SET AGE = 19, NAME = 'Jp' WHERE SALARY >= 4500;
SELECT * FROM JP_VIEW;
```

100 %

Results | Messages

	ID	NAME	AGE	ADDRESS	SALARY
1	4	Jp	19	Mumbai	6500.00
2	5	Jp	19	Bhopal	8500.00
3	6	Jp	19	Hyberabad	4500.00
4	7	Jp	19	Indore	10000.00

QUERY 8:

```
UPDATE JP_VIEW SET AGE = AGE + 6;
SELECT * FROM JP_VIEW;
```

100 %

Results | Messages

	ID	NAME	AGE	ADDRESS	SALARY
1	4	Jp	25	Mumbai	6500.00
2	5	Jp	25	Bhopal	8500.00
3	6	Jp	25	Hyberabad	4500.00
4	7	Jp	25	Indore	10000.00

QUERY 9:

```
EXEC sp_rename 'JP_VIEW', 'D2_VIEW';
SELECT*FROM D2_VIEW;
```

100 %

Results | Messages

	ID	NAME	AGE	ADDRESS	SALARY
1	4	Jp	25	Mumbai	6500.00
2	5	Jp	25	Bhopal	8500.00
3	6	Jp	25	Hyberabad	4500.00
4	7	Jp	25	Indore	10000.00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

QUERY 10:

```
DELETE FROM D2_VIEW WHERE AGE>=25;
SELECT * FROM D2_VIEW;
```

Results | Messages

ID	NAME	AGE	ADDRESS	SALARY

QUERY 11:

```
DROP VIEW DAQUIS_VIEW;
```

Messages

```
Commands completed successfully.
```

QUERY 12:

```
CREATE PROCEDURE PROC_DAQUIS
AS
SELECT * FROM CUSTOMERS
GO;
EXEC PROC_DAQUIS;
```

Results | Messages

	ID	NAME	AGE	ADDRESS	SALARY
1	1	Ramesh	32	Ahmedabad	2000.00
2	2	Khilan	25	Delhi	1500.00
3	3	Kaushik	23	Kota	2000.00

QUERY 13:

```
CREATE PROCEDURE PROC_JP @ADDRESS CHAR(25)
AS
SELECT * FROM CUSTOMERS WHERE ADDRESS = @ADDRESS;
EXEC PROC_JP @ADDRESS = 'Kota';
```

Results | Messages

	ID	NAME	AGE	ADDRESS	SALARY
1	3	Kaushik	23	Kota	2000.00

DE SILVA, RAPHAEL LORENZO V.
BSIT 2-Y1-5

QUERY 14:

```
CREATE PROCEDURE D2PROCEDURE @ID INT, @SALARY DECIMAL(18,2)
AS
SELECT * FROM CUSTOMERS WHERE ID = 2 AND SALARY = 1500;
EXEC D2PROCEDURE @ID = 2, @SALARY = 1500;
```

100 %

Results | Messages

	ID	NAME	AGE	ADDRESS	SALARY
1	2	Khilan	25	Delhi	1500.00

QUERY 15:

```
DROP PROCEDURE PROC_DAQUIS;
DROP PROCEDURE PROC_JP;
DROP PROCEDURE D2PROCEDURE;
```

0 %

Messages

```
Commands completed successfully.

Completion time: 2024-12-03T10:48:43.7949659+08:00
```