Q1 and Q2)

Create Database Assignment\_1

--1

Create Table DEPARTMENTS(

ID int,

Name varchar(25)

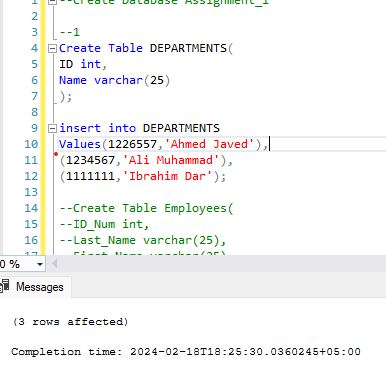
);

insert into DEPARTMENTS

Values(1226557,'Ahmed Javed'),

(1234567,'Ali Muhammad'),

(1111111,'Ibrahim Dar');



Q3)

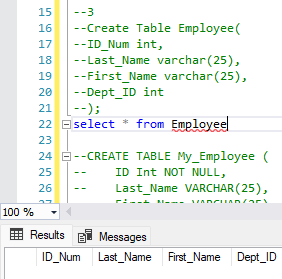
Create Table Employee(

ID\_Num int,

Last\_Name varchar(25),

First\_Name varchar(25),

Dept\_ID int

); 

Q4 and Q5)

CREATE TABLE My\_Employeee (

ID Int NOT NULL,

Last\_Name VARCHAR(25),

First\_Name VARCHAR(25),

UserID VARCHAR(8),

Salary DECIMAL(9, 2),

PRIMARY KEY (ID)

);

insert into My\_Employeee

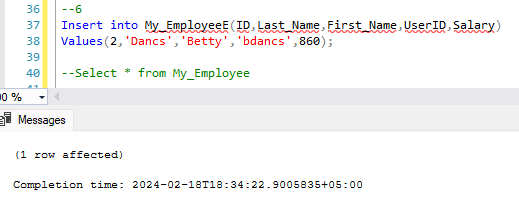
Values(1,'Patel','Ralph','rpatel',795);



Q6)

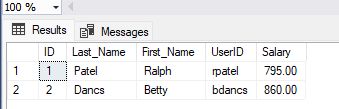
Insert into My\_Employeee(ID,Last\_Name,First\_Name,UserID,Salary)

Values(2,'Dancs','Betty','bdancs',860);



Q7)

Select \* from My\_Employeee



Q8 and Q9)

UPDATE My\_Employeee

SET Last\_Name = 'Hammad'

WHERE Last\_Name = 'Dancs';

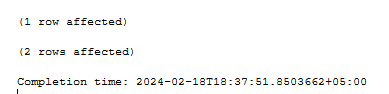
--9

Update My\_Employeee

Set Salary=3000

WHERE (First\_Name LIKE '%t%' OR Last\_Name LIKE '%t%')

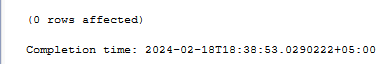
AND Salary BETWEEN 500 AND 2000;



Q10)

Delete from My\_Employeee

where Salary>5000



Q11)

Create Table MYDEPT1\_L226557(

Department\_ID INT Primary Key,

Name varchar(25),

Location varchar(15)

);

Create Table MYEMP1\_L226557(

ID int Primary Key,

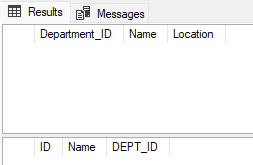
Name varchar(25),

DEPT\_ID int Foreign Key References MYDEPT1\_L226557(Department\_ID)

);

SELECT\* FROM MYDEPT1\_L226557

SELECT\* FROM MYEMP1\_L226557



Q12)

ALTER TABLE MYEMP1\_L226557

ALTER COLUMN Name VARCHAR(50);

ALTER TABLE MYDEPT1\_L226557

ALTER COLUMN Name VARCHAR(50);

EXEC sp\_columns 'MYEMP1\_L226557';

SELECT COLUMN\_NAME, DATA\_TYPE, CHARACTER\_MAXIMUM\_LENGTH

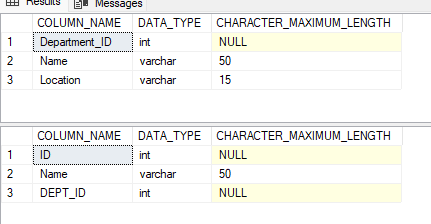
FROM INFORMATION\_SCHEMA.COLUMNS

WHERE TABLE\_NAME = 'MYDEPT1\_L226557';

SELECT COLUMN\_NAME, DATA\_TYPE, CHARACTER\_MAXIMUM\_LENGTH

FROM INFORMATION\_SCHEMA.COLUMNS

WHERE TABLE\_NAME = 'MYEMP1\_L226557';



Q13)

ALTER TABLE MYEMP1\_L226557

ALTER COLUMN ID numeric(18,0);

-- Confirm modification

SELECT \* FROM MYEMP1\_L226557;



Q14)

INSERT INTO MYDEPT1\_L226557

Values(111,'CS','BLOCK C'),

(112,'EE','BLOCK D'),

(113,'CIVL', 'BLOCK A'),

(114,'MANAGEMENT', 'BLOCK B');

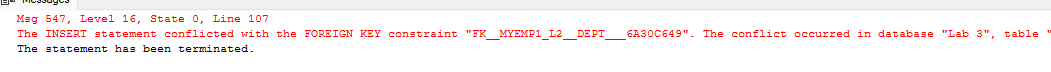


Q15)

INSERT INTO MYEMP1\_l226557

VALUES(226557,'Ahmed Javed',100);

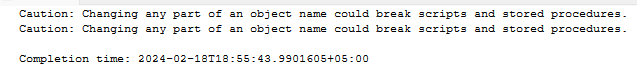
--cant insert as dept id is foreign key and i gave foreign key 111 for CS whereas here it is 100



Q16)

EXEC sp\_rename 'MYEMP1\_L226557', 'EMP1\_L226557'

EXEC sp\_rename 'MYDEPT1\_L226557', 'DEPT1\_L226557'



Q17)

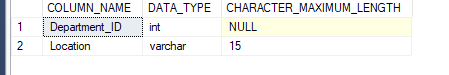
ALTER TABLE DEPT1\_L226557

DROP COLUMN Name;

SELECT COLUMN\_NAME, DATA\_TYPE, CHARACTER\_MAXIMUM\_LENGTH

FROM INFORMATION\_SCHEMA.COLUMNS

WHERE TABLE\_NAME = 'DEPT1\_L226557';



Q18)

DROP TABLE EMP1\_L226557;

SELECT COLUMN\_NAME, DATA\_TYPE, CHARACTER\_MAXIMUM\_LENGTH

FROM INFORMATION\_SCHEMA.COLUMNS

WHERE TABLE\_NAME = 'EMP1\_L226557';

SELECT \*FROM EMP1\_L226557

