

Assignment2

Submitted By **TANUJA SHARMA**

Que1= Create a Database using SQL query.

Que2= Write a query to create any 5 tables with following criteria:

Each table should have minimum 7 columns with multiple data types (string, integer, datetime, boolean, decimal etc)

Each table should use at least 3 constraints.

Each table should have minimum 25 records.

Create a parent-child relationship (2 tables involved)

Create a parent-child-subchild relationship (3 tables involved)

Each table should have an Auto-incremental id.

Solution= Table1 Intern

The screenshot displays the Microsoft SQL Server Management Studio interface. The 'Object Explorer' on the left shows the database structure, including 'Databases', 'System Databases', and 'Tanuja'. The 'SQL Query Editor' in the center contains the following SQL script:

```
CREATE DATABASE Tanuja;
CREATE TABLE Intern(
    I_id int NOT NULL IDENTITY(5,5) primary key,
    Intern_name varchar(20) NOT NULL,
    DOJ date DEFAULT '2023-02-13',
    Ph_no bigint,
    Location varchar(30) DEFAULT 'CHANDIGARH',
    Domain varchar(20) DEFAULT 'QE',
    Salary decimal);
SELECT* FROM Intern;
INSERT INTO Intern(Intern_name,Ph_no,Salary) VALUES('Tanuja Sharma',749385,25000),
('Aarti',749385,25000),
('Raman',749385,25000),
('Rohit',749385,25000),
('Priyati',749385,25000),
('Ravi',749385,25000),
('Raghveer',749385,25000),
('Suman',749385,25000);
```

The 'Results' pane at the bottom shows the output of the query, displaying 17 rows of data for the 'Intern' table. The columns are I_id, Intern_name, DOJ, Ph_no, Location, Domain, and Salary. The data includes names like Tanuja Sharma, Aarti, Raman, Rohit, Priyati, Ravi, Raghveer, and Suman, all with a DOJ of 2023-02-13 and a Salary of 25000.

I_id	Intern_name	DOJ	Ph_no	Location	Domain	Salary
5	Tanuja Sharma	2023-02-13	749385	CHANDIGARH	QE	25000
10	Aarti	2023-02-13	749385	CHANDIGARH	QE	25000
15	Raman	2023-02-13	749385	CHANDIGARH	QE	25000
20	Rohit	2023-02-13	749385	CHANDIGARH	QE	25000
25	Priyati	2023-02-13	749385	CHANDIGARH	QE	25000
30	Ravi	2023-02-13	749385	CHANDIGARH	QE	25000
35	Raghveer	2023-02-13	749385	CHANDIGARH	QE	25000
40	Suman	2023-02-13	749385	CHANDIGARH	QE	25000
45	Suresh	2023-02-13	749385	CHANDIGARH	QE	25000
50	Bhaskar	2023-02-13	749385	CHANDIGARH	QE	25000
55	Sumit	2023-02-13	749385	CHANDIGARH	QE	25000
60	Tanuj Sharma	2023-02-13	749385	CHANDIGARH	QE	25000
65	Shrut Sharma	2023-02-13	749385	CHANDIGARH	QE	25000
70	Sakshi Sharma	2023-02-13	749385	CHANDIGARH	QE	25000
75	Mayank Sharma	2023-02-13	93455	Noida	Dev	35000
80	Rohit	2023-02-13	749385	Aligarh	Dev	35000
85	Preeti	2023-02-13	749385	Aligarh	Dev	45000

Table2 Intern_details

The screenshot shows the SQL Query window with the following T-SQL script:

```

CREATE TABLE Intern_details(
    D_ID int NOT NULL IDENTITY(1,1) primary key,
    Intern_id int,
    Father_name varchar(100),
    Address varchar(30),
    pin int,
    College varchar(20) DEFAULT 'GKV HARIDWAR',
    Age int,
    St_name varchar(100) DEFAULT 'Computer Science',
    FOREIGN KEY (Intern_id) REFERENCES Intern(I_id));
SELECT * FROM Intern_details;
INSERT INTO Intern_details(Intern_id,Father_name,Address,pin,College,Age) VALUES(5,'Dinesh Chandra Sharma','Aligarh',749385,'DU',21),
(10,'Ramesh','Banaras',65787,'NSIT',23),
(5,'Rohit','Banaras',65787,'NSIT',23),
(25,'Suresh','Aligarh',749385,'DU',21),
(30,'Ram','Aligarh',749385,'DU',21),
(35,'Navjyot Singh','Aligarh',749385,'DU',21),
(25,'pavan Yadav','Banaras',65787,'NSIT',23),
(40,'Rohit','Banaras',65787,'NSIT',23),
(45,'Prem Singh','Aligarh',749385,'DU',21),
(65,'Ramkumar','Aligarh',749385,'DU',21),
(50,'Rahul Ahuja','Banaras',65787,'NSIT',23),
(20,'Anchal Singh','Noida',102345,'OBU',23),
(15,'Raghuwer Singh','Noida',102345,'OBU',23),
(60,'Aasner','Gurgaon',102345,'SVET',23),
(75,'Sunny','Noida',102345,'OBU',23),
(80,'Ajay Singh','Noida',102345,'OBU',23),
(65,'Aasner/Kumar','Suraram',102345,'SVET',23);
  
```

The Results window displays the following data:

D_ID	Intern_id	Father_name	Address	pin	College	Age	St_name
1	5	Dinesh Chandra Sharma	Aligarh	749385	DU	21	Computer Science
2	10	Ramesh	Banaras	65787	NSIT	23	Computer Science
3	5	Rohit	Banaras	65787	NSIT	23	Computer Science
4	25	Suresh	Aligarh	749385	DU	21	Computer Science
5	30	Ram	Aligarh	749385	DU	21	Computer Science
6	35	Navjyot Singh	Aligarh	749385	DU	21	Computer Science
7	25	pavan Yadav	Banaras	65787	NSIT	23	Computer Science
8	40	Rohit pat	Banaras	65787	NSIT	23	Computer Science
9	45	Prem Singh	Aligarh	749385	DU	21	Computer Science
10	65	Ramkumar	Aligarh	749385	DU	21	Computer Science
11	50	Rahul Ahuja	Banaras	65787	NSIT	23	Computer Science
12	20	Anchal Singh	Noida	102345	OBU	23	Arts
13	15	Raghuwer Singh	Noida	102345	OBU	23	Arts
14	60	Aasner	Gurgaon	102345	SVET	23	Arts
15	75	Sunny	Noida	102345	OBU	23	Arts
16	80	Ajay Singh	Noida	102345	OBU	23	Arts
17	65	Aasner/Kumar	Suraram	102345	SVET	23	Arts

Table3 University

SQLQuery1Assignment2.sql - BINTERNs-QA33L\SQLExpress (SQL Ser...

File Edit View Query Project Tools Window Help

New Query

Execute

Save

Undo

Redo

Print

Format

Refresh

Stop

Help

SQL Server Enterprise Edition

Tanuja

Object Explorer

Connect -

SQL Server Enterprise Edition

BINTERNs-QA33L\SQLExpress (SQL Ser...

Databases

System Databases

Database Snapshots

Tanuja

Database Diagrams

Tables

System Tables

FileTables

External Tables

dbo.Intern

dbo.Intern_details

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

Server Objects

Replication

Polystore

Management

XEvent Profiler

SQLQuery1Assignment...ID\tasharma (SS3)* - X

```
--CREATE TABLE University{
Cid int NOT NULL IDENTITY(101,1) primary key,
Cname varchar(20) NOT NULL Unique,
No_st bigint,
Semester int,
University varchar(250) DEFAULT 'Gurukul Kangri Vishwavidyalaya',
Location varchar(30) DEFAULT 'Haridwar',
Result bit DEFAULT '0'};
SELECT * FROM University;
INSERT INTO University (Cname,No_st,Semester,Result) VALUES ('MCA',15,3,'1'),
('BCA',25,3,'1'),
('Btech CSE',50,5,'1'),
('Btech EC',50,3,'1'),
('Btech civil',15,3,'1'),
('Btech mec',150,5,'1'),
('Btech meta',15,3,'1'),
('B.sc. physics',120,3,'1'),
('B.sc. chemistry',130,3,'1'),
('B.sc. maths',15,3,'1'),
('B.sc. yoga',15,7,'1'),
('Mac physics',15,3,'1'),
('Mac chemistry',15,3,'1'),
('Mac yoga',15,3,'1'),
('mac maths',15,3,'1');
```

100 %

Results Messages

101

1

2

3

4

5

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7

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11

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14

15

15

115

Cid	Cname	No_st	Semester	University	Location	Result
1	101	MCA	15	3	Gurukul Kangri Vishwavidyalaya	Haridwar
2	102	BCA	25	3	Gurukul Kangri Vishwavidyalaya	Haridwar
3	103	Btech CSE	50	5	Gurukul Kangri Vishwavidyalaya	Haridwar
4	104	Btech EC	50	3	Gurukul Kangri Vishwavidyalaya	Haridwar
5	105	Btech civil	15	3	Gurukul Kangri Vishwavidyalaya	Haridwar
6	106	Btech mec	150	5	Gurukul Kangri Vishwavidyalaya	Haridwar
7	107	Btech meta	15	3	Gurukul Kangri Vishwavidyalaya	Haridwar
8	108	B.sc. physics	120	3	Gurukul Kangri Vishwavidyalaya	Haridwar
9	109	B.sc. chemistry	130	3	Gurukul Kangri Vishwavidyalaya	Haridwar
10	110	B.sc. maths	15	3	Gurukul Kangri Vishwavidyalaya	Haridwar
11	111	B.sc. yoga	15	7	Gurukul Kangri Vishwavidyalaya	Haridwar
12	112	Mac physics	15	3	Gurukul Kangri Vishwavidyalaya	Haridwar
13	113	Mac chemistry	15	3	Gurukul Kangri Vishwavidyalaya	Haridwar
14	114	Mac yoga	15	3	Gurukul Kangri Vishwavidyalaya	Haridwar
15	115	mac maths	15	3	Gurukul Kangri Vishwavidyalaya	Haridwar

Query executed successfully.

BINTERNs-QA33L\SQLExpress (SQL Ser... - BEBOTECHNOLOGIE\tashar... Tanuja 00:00:00 15 rows

Ready

Type here to search

Taskbar icons

System tray

Table4 GKV_Dehradun

SQLQuery1Assignment2.sql - BINTERNIS-QA33\SQL\EXPRESS.Tanuja (BEBOTECHNOLOGIE\tasharma (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect to BINTERNIS-QA33\SQL\EXPRESS (SQL Server)

SQLQuery1Assignme...IE\tasharma (53))

```

CREATE TABLE GKV_Dehradun(
    St_id int NOT NULL IDENTITY(101,1) primary key,
    cid int,
    Roll_no int NOT NULL,
    St_name varchar(30),
    marks decimal NOT NULL,
    Campusname varchar(20) DEFAULT 'GKV Dehradun',
    Result_status bit DEFAULT '0'
FOREIGN KEY (cid) REFERENCES University(Cid));
SELECT * FROM GKV_Dehradun;
INSERT INTO GKV_Dehradun(cid,Roll_no,st_name,marks,Result_status) VALUES (101,201,'Tanuja Sharma',720,'1'),
(102,201,'Tanishka',720,'1'),
(103,3011,'Sumit',420,'1'),
(104,201,'Rohit',720,'1'),
(105,3011,'Sangam',670,'1'),
(106,201,'Pavan',720,'1'),
(107,201,'Jaspreet',720,'1'),
(108,3011,'Sangam',670,'1'),
(109,100,201,'Sunny',570,'1'),
(110,110,3011,'Sangam',670,'1'),
(111,111,3011,'Sangam',670,'1'),
(112,112,3011,'Sangam',670,'1'),
(113,113,3011,'Sangam',670,'1'),
(114,114,3011,'Sangam',670,'1'),
(115,115,2012,'Harpreet',720,'1')

```

Results Messages

St_id	cid	Roll_no	St_name	marks	Campusname	Result_status
1	101	201	Tanuja Sharma	720	GKV Dehradun	1
2	102	201	Tanishka	720	GKV Dehradun	1
3	103	3011	Sumit	420	GKV Dehradun	1
4	104	201	Rohit	720	GKV Dehradun	1
5	105	3011	Sangam	670	GKV Dehradun	1
6	106	201	Pavan	720	GKV Dehradun	1
7	107	201	Jaspreet	720	GKV Dehradun	1
8	108	3011	Sangam	670	GKV Dehradun	1
9	109	100	Sunny	570	GKV Dehradun	1
10	110	110	Sangam	670	GKV Dehradun	1
11	111	111	Sangam	670	GKV Dehradun	1
12	112	112	Sangam	670	GKV Dehradun	1
13	113	113	Sangam	670	GKV Dehradun	1
14	114	114	Sangam	670	GKV Dehradun	1
15	115	2012	Harpreet	720	GKV Dehradun	1

Query executed successfully.

BINTERNIS-QA33\SQL\EXPRESS (SQL Server) - BEBOTECHNOLOGIE\tasharma (53)) - Tanuja 00:00:00 15 rows

Table5 Student_details

SQLQuery1Assignment2.sql - BINTERNIS-QA33\SQL\EXPRESS.Tanuja (BEBOTECHNOLOGIE\tasharma (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect to BINTERNIS-QA33\SQL\EXPRESS (SQL Server)

SQLQuery1Assignme...IE\tasharma (53))

```

CREATE TABLE Student_details(
    D_ID int NOT NULL IDENTITY(1,1) primary key,
    sid int,
    Father_name varchar(50),
    Roll_no int NOT NULL Unique,
    Course varchar(30),
    phno int,
    Campus varchar(20) DEFAULT 'Haridwar campus',
    Subject int,
    Result bit DEFAULT '0'
FOREIGN KEY (sid) REFERENCES GKV_Dehradun(St_id); --parent-child relationship b/w 3 tables
SELECT * FROM Student_details;
INSERT INTO Student_details(sid,Father_name,Roll_no,Course,phno,Subject,Result) VALUES (101,'Dinesh',1,'MCA',8736,7,'1'),
(102,'Suresh',2,'MCA',8736,7,'1'),
(103,'Mahesh',3,'MCA',8736,7,'1'),
(104,'pravesh',4,'MCA',8736,7,'1'),
(105,'Surendra',5,'MCA',8736,7,'1'),
(106,'Harendra',6,'MCA',8736,7,'1'),
(107,'Harendra',7,'MCA',8736,7,'1'),
(108,'Honey singh',8,'MCA',8736,7,'1'),
(109,'Gurpreet',9,'MCA',8736,7,'1'),
(110,'Alshah',10,'MCA',8736,7,'1'),
(111,'Sandeep',11,'MCA',8736,7,'1'),
(112,'dharmendra',12,'MCA',8736,7,'1'),
(113,'Rajiv',13,'MCA',8736,7,'1'),
(114,'Raghav',14,'MCA',8736,7,'1'),
(115,'pavan',15,'MCA',8736,7,'1')

```

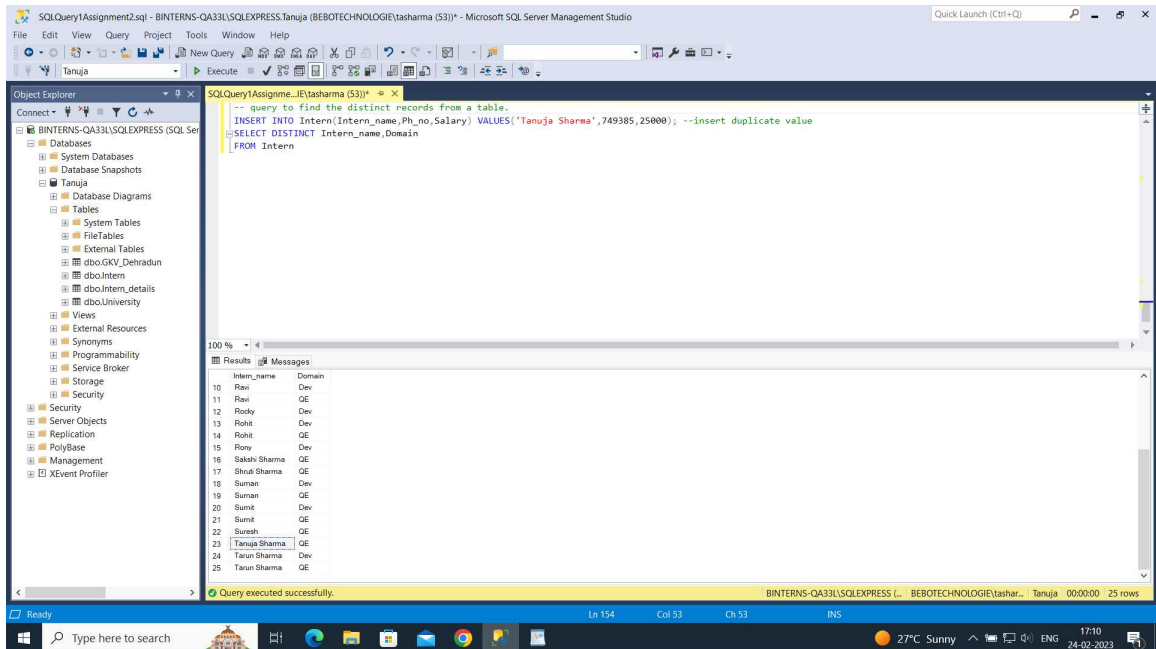
Results Messages

D_ID	sid	Father_name	Roll_no	Course	phno	Campus	Subject	Result
1	101	Dinesh	1	MCA	8736	Haridwar campus	7	1
2	102	Suresh	2	MCA	8736	Haridwar campus	7	1
3	103	Mahesh	3	MCA	8736	Haridwar campus	7	1
4	104	pravesh	4	MCA	8736	Haridwar campus	7	1
5	105	Surendra	5	MCA	8736	Haridwar campus	7	1
6	106	Harendra	6	MCA	8736	Haridwar campus	7	1
7	107	Harendra	7	MCA	8736	Haridwar campus	7	1
8	108	Honey singh	8	MCA	8736	Haridwar campus	7	1
9	109	Gurpreet	9	MCA	8736	Haridwar campus	7	1
10	110	Alshah	10	MCA	8736	Haridwar campus	7	1
11	111	Sandeep	11	MCA	8736	Haridwar campus	7	1
12	112	dharmendra	12	MCA	8736	Haridwar campus	7	1
13	113	Rajiv	13	MCA	8736	Haridwar campus	7	1
14	114	Raghav	14	MCA	8736	Haridwar campus	7	1
15	115	pavan	15	MCA	8736	Haridwar campus	7	1

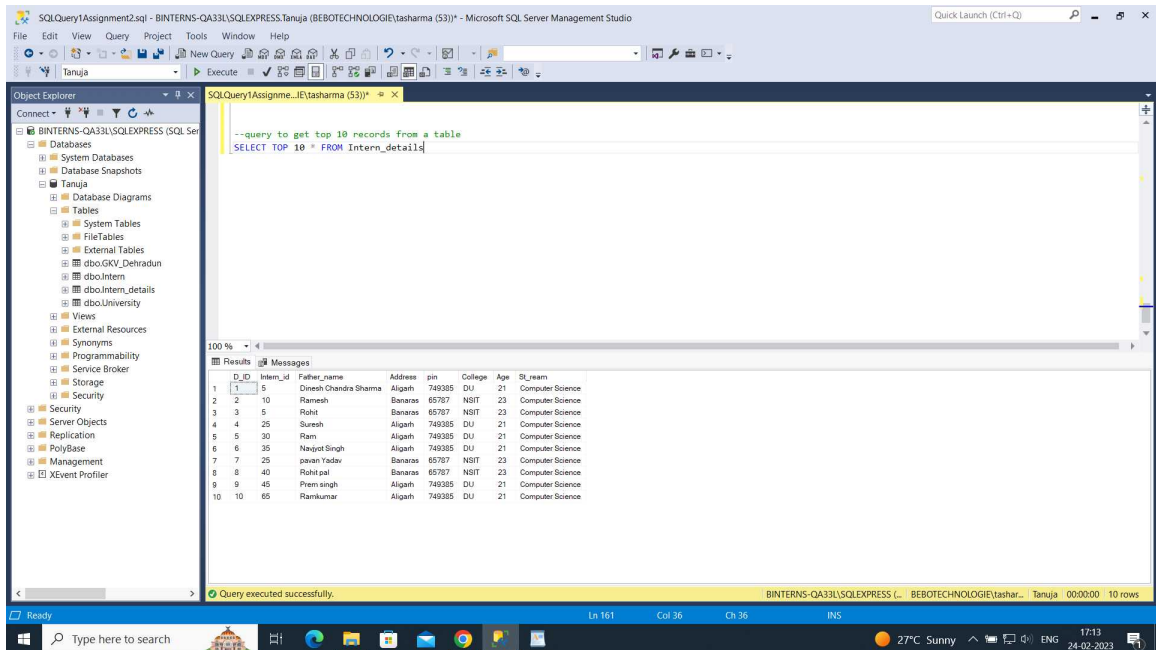
Query executed successfully.

BINTERNIS-QA33\SQL\EXPRESS (SQL Server) - BEBOTECHNOLOGIE\tasharma (53)) - Tanuja 00:00:00 15 rows

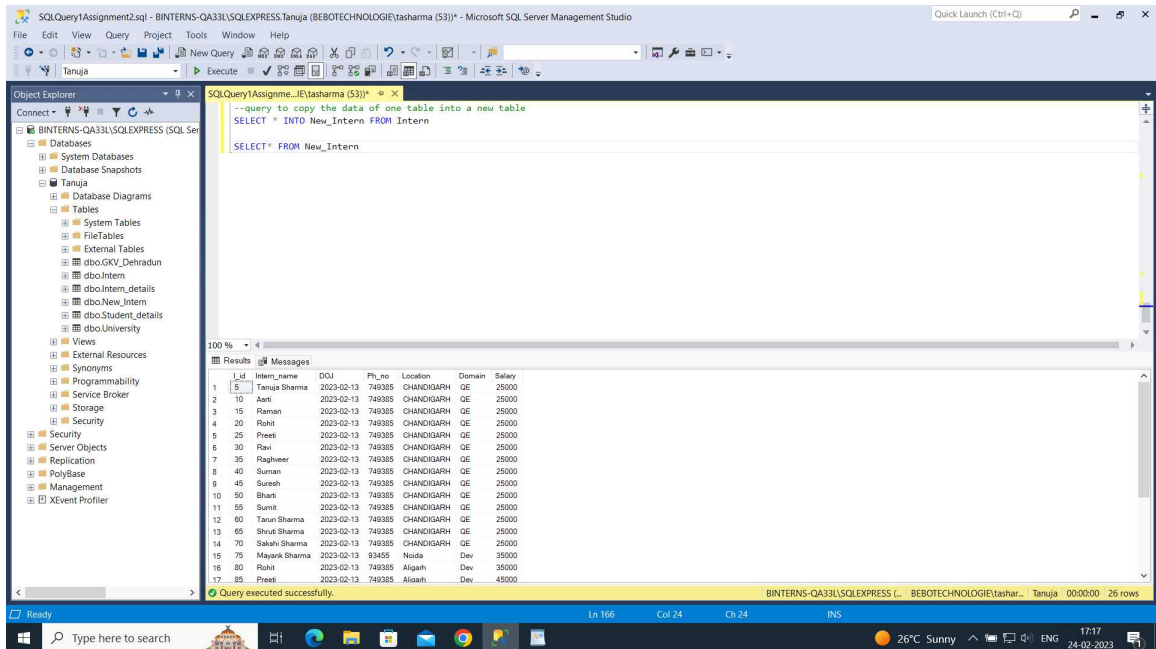
Que3= Write a query to find the distinct records from a table.



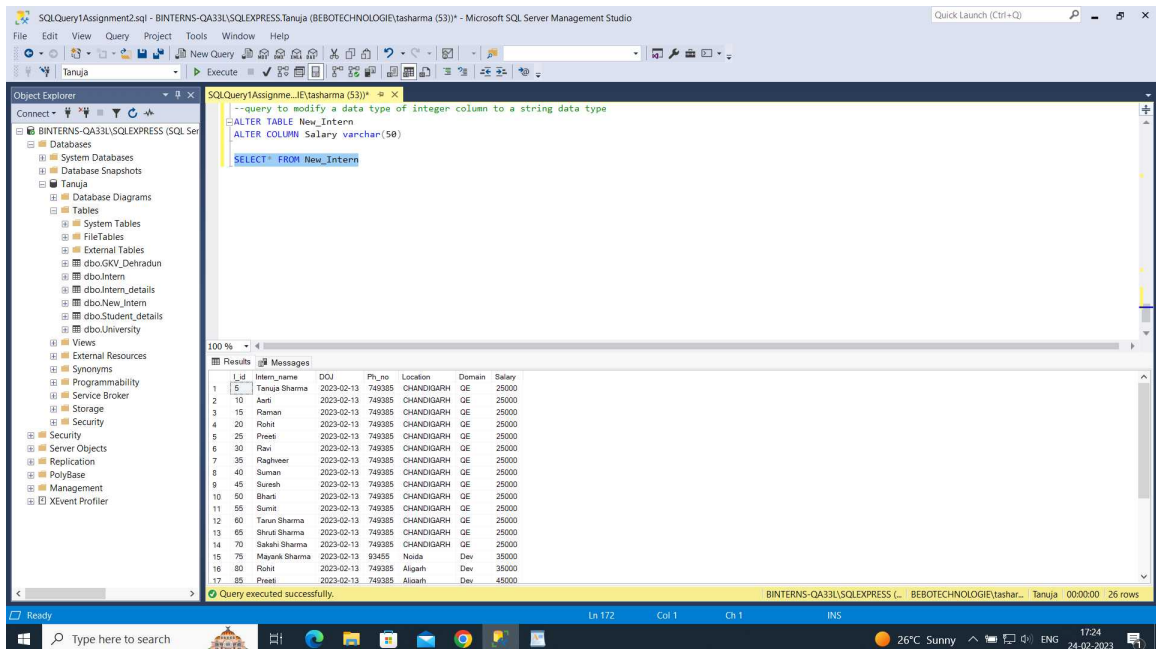
Que4= Write a query to get top 10 records from a table.



Que5= Write a query to copy the data of one table into a new table.



Que6= Write a query to modify a data type of integer column to a string data type.



Que7= Write example of Delete and Truncate using above tables.

===For Delete===

SQLQuery1Assignment2.sql - BINTERNS-QA33L\SQLEXPRESS.Tanuja (BEBO TECHNOLOGIE\Tasharma (S3)) - Microsoft SQL Server Management Studio

Object Explorer: BINTERNS-QA33L\SQLEXPRESS (SQL Ser) > Databases > Tanuja > Tables > New_Intern

Query Editor: --example of Delete using above tables
DELETE New_Intern WHERE I_id=10
SELECT* FROM New_Intern

Results: 26 rows

I_id	Intern_name	DOJ	Ph_no	Location	Domain	Salary	
1	5	Tanuja Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
2	10	Aarti	2023-02-13	749385	CHANDIGARH	GE	25000
3	15	Raman	2023-02-13	749385	CHANDIGARH	GE	25000
4	20	Rohit	2023-02-13	749385	CHANDIGARH	GE	25000
5	25	Preet	2023-02-13	749385	CHANDIGARH	GE	25000
6	30	Ravi	2023-02-13	749385	CHANDIGARH	GE	25000
7	35	Raghuver	2023-02-13	749385	CHANDIGARH	GE	25000
8	40	Suman	2023-02-13	749385	CHANDIGARH	GE	25000
9	45	Suresh	2023-02-13	749385	CHANDIGARH	GE	25000
10	50	Bharti	2023-02-13	749385	CHANDIGARH	GE	25000
11	55	Sumit	2023-02-13	749385	CHANDIGARH	GE	25000
12	60	Tarun Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
13	65	Shrutika Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
14	70	Sakshi Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
15	75	Mayank Sharma	2023-02-13	93455	Noida	Dev	35000
16	80	Rohit	2023-02-13	749385	Aligarh	Dev	35000
17	85	Preet	2023-02-13	749385	Aligarh	Dev	45000

Query executed successfully.

SQLQuery1Assignment2.sql - BINTERNS-QA33L\SQLEXPRESS.Tanuja (BEBO TECHNOLOGIE\Tasharma (S3)) - Microsoft SQL Server Management Studio

Object Explorer: BINTERNS-QA33L\SQLEXPRESS (SQL Ser) > Databases > Tanuja > Tables > New_Intern

Query Editor: --example of Delete using above tables
DELETE New_Intern WHERE I_id=10
SELECT* FROM New_Intern

Results: 25 rows

I_id	Intern_name	DOJ	Ph_no	Location	Domain	Salary	
1	5	Tanuja Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
2	15	Raman	2023-02-13	749385	CHANDIGARH	GE	25000
3	20	Rohit	2023-02-13	749385	CHANDIGARH	GE	25000
4	25	Preet	2023-02-13	749385	CHANDIGARH	GE	25000
5	30	Ravi	2023-02-13	749385	CHANDIGARH	GE	25000
6	35	Raghuver	2023-02-13	749385	CHANDIGARH	GE	25000
7	40	Suman	2023-02-13	749385	CHANDIGARH	GE	25000
8	45	Suresh	2023-02-13	749385	CHANDIGARH	GE	25000
9	50	Bharti	2023-02-13	749385	CHANDIGARH	GE	25000
10	55	Sumit	2023-02-13	749385	CHANDIGARH	GE	25000
11	60	Tarun Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
12	65	Shrutika Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
13	70	Sakshi Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
14	75	Mayank Sharma	2023-02-13	93455	Noida	Dev	35000
15	80	Rohit	2023-02-13	749385	Aligarh	Dev	35000
16	85	Preet	2023-02-13	749385	Aligarh	Dev	45000
17	90	Ravi	2023-02-13	749385	Banaras	Dev	25000

Query executed successfully.

===For Truncate===

SQLQuery1Assignment2.sql - BINTERNS-QA33L\SQLEXPRESS.Tanuja (BEBOTECHNOLOGIE\tasharma (53)) - Microsoft SQL Server Management Studio

Object Explorer: BINTERNS-QA33L\SQLEXPRESS (SQL Ser) > Databases > Tanuja > Tables > New_Intern

SQLQuery1Assignme..._IE\tasharma (53))

```
--example of Delete using above tables
DELETE New_Intern WHERE I_id=10
SELECT* FROM New_Intern
```

Results: 25 rows

I_id	Intern_name	DOJ	Ph_no	Location	Domain	Salary	
1	5	Tanuja Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
2	15	Raman	2023-02-13	749385	CHANDIGARH	GE	25000
3	20	Rohit	2023-02-13	749385	CHANDIGARH	GE	25000
4	25	Preet	2023-02-13	749385	CHANDIGARH	GE	25000
5	30	Ravi	2023-02-13	749385	CHANDIGARH	GE	25000
6	35	Raghuver	2023-02-13	749385	CHANDIGARH	GE	25000
7	40	Suman	2023-02-13	749385	CHANDIGARH	GE	25000
8	45	Suresh	2023-02-13	749385	CHANDIGARH	GE	25000
9	50	Bhadi	2023-02-13	749385	CHANDIGARH	GE	25000
10	55	Sumit	2023-02-13	749385	CHANDIGARH	GE	25000
11	60	Tarun Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
12	65	Shrut Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
13	70	Sakshi Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
14	75	Mayank Sharma	2023-02-13	93455	Noida	Dev	35000
15	80	Rohit	2023-02-13	749385	Aligarh	Dev	35000
16	85	Preet	2023-02-13	749385	Aligarh	Dev	45000
17	90	Ravi	2023-02-13	749385	Banaras	Dev	25000

Query executed successfully.

SQLQuery1Assignment2.sql - BINTERNS-QA33L\SQLEXPRESS.Tanuja (BEBOTECHNOLOGIE\tasharma (53)) - Microsoft SQL Server Management Studio

Object Explorer: BINTERNS-QA33L\SQLEXPRESS (SQL Ser) > Databases > Tanuja > Tables > New_Intern

SQLQuery1Assignme..._IE\tasharma (53))

```
--example of Truncate using above tables
TRUNCATE TABLE New_Intern
SELECT* FROM New_Intern
```

Results: 0 rows

I_id	Intern_name	DOJ	Ph_no	Location	Domain	Salary
------	-------------	-----	-------	----------	--------	--------

Query executed successfully.

Que8= Write a query to update the rows for specific id's.

SQLQuery1Assignment2.sql - BINTERNS-QA33\SQL EXPRESS.Tanuja (BEBOTECHNOLOGIE\tasharma (53)) - Microsoft SQL Server Management Studio

Object Explorer: BINTERNS-QA33\SQL EXPRESS (SQL Ser) > Databases > Tanuja > Tables > GKV_Dehradun

```

--example of Truncate using above tables
TRUNCATE TABLE New_Intern

SELECT* FROM New_Intern

--query to update the rows for specific id's
SELECT* FROM GKV_Dehradun

```

Results:

BL_id	id	Roll_no	st_name	marks	Campusname	Result_status
1	101	101	Tanuja Sharma	720	GKV Dehradun	1
2	102	102	Tanishka	720	GKV Dehradun	1
3	103	103	Sumit	420	GKV Dehradun	1
4	104	104	Rohit	720	GKV Dehradun	1
5	105	105	Sangam	670	GKV Dehradun	1
6	106	106	Pavan	720	GKV Dehradun	1
7	107	107	Jaspreet	720	GKV Dehradun	1
8	108	108	Sangam	670	GKV Dehradun	1
9	109	109	Suneel	570	GKV Dehradun	1
10	110	110	Sunny	570	GKV Dehradun	1
11	111	111	Sangam	670	GKV Dehradun	1
12	112	112	Sangam	670	GKV Dehradun	1
13	113	113	Sangam	670	GKV Dehradun	1
14	114	114	Sangam	670	GKV Dehradun	1
15	115	115	Harpreet	720	GKV Dehradun	1

Query executed successfully. BINTERNS-QA33\SQL EXPRESS (L... BEBOTECHNOLOGIE\tashar... Tanuja 00:00:00 15 rows

SQLQuery1Assignment2.sql - BINTERNS-QA33\SQL EXPRESS.Tanuja (BEBOTECHNOLOGIE\tasharma (53)) - Microsoft SQL Server Management Studio

Object Explorer: BINTERNS-QA33\SQL EXPRESS (SQL Ser) > Databases > Tanuja > Tables > GKV_Dehradun

```

--query to update the rows for specific id's
SELECT* FROM GKV_Dehradun
UPDATE GKV_Dehradun
SET st_name='Tanishka Tripathi'
WHERE st_id=102

```

Results:

BL_id	id	Roll_no	st_name	marks	Campusname	Result_status
1	101	101	Tanuja Sharma	720	GKV Dehradun	1
2	102	102	Tanishka Tripathi	720	GKV Dehradun	1
3	103	103	Sumit	420	GKV Dehradun	1
4	104	104	Rohit	720	GKV Dehradun	1
5	105	105	Sangam	670	GKV Dehradun	1
6	106	106	Pavan	720	GKV Dehradun	1
7	107	107	Jaspreet	720	GKV Dehradun	1
8	108	108	Sangam	670	GKV Dehradun	1
9	109	109	Suneel	570	GKV Dehradun	1
10	110	110	Sunny	570	GKV Dehradun	1
11	111	111	Sangam	670	GKV Dehradun	1
12	112	112	Sangam	670	GKV Dehradun	1
13	113	113	Sangam	670	GKV Dehradun	1
14	114	114	Sangam	670	GKV Dehradun	1
15	115	115	Harpreet	720	GKV Dehradun	1

Query executed successfully. BINTERNS-QA33\SQL EXPRESS (L... BEBOTECHNOLOGIE\tashar... Tanuja 00:00:00 15 rows

Que9= Write a query to insert a dummy row into a table and write a query to delete this row from table.

SQLQuery1Assignment2.sql - BINTERNS-QA33L\SQLEXPRESS.Tanuja (BEBOTECHNOLOGIE\tasharma (53)) - Microsoft SQL Server Management Studio

Object Explorer: BINTERNS-QA33L\SQLEXPRESS (SQL Server) > Databases > Tanuja > Tables > GKV_Dehradun

```

--query to update the rows for specific id's
SELECT* FROM GKV_Dehradun
UPDATE GKV_Dehradun
SET st_name='Tanishka Tripathi'
WHERE St_id=102

--query to insert a dummy row into a table and write a query to delete this row from table
SELECT* FROM GKV_Dehradun
INSERT INTO GKV_Dehradun VALUES (102,201,'Tanishka Tripathi',720,'GKV Dehradun','1')

DELETE FROM GKV_Dehradun
WHERE St_id=116

```

Results:

St_id	id	Roll_no	st_name	marks	Compname	Result_status
1	101	201	Tanuja Sharma	720	GKV Dehradun	1
2	102	201	Tanishka Tripathi	720	GKV Dehradun	1
3	103	3011	Sunil	420	GKV Dehradun	1
4	104	201	Rohit	720	GKV Dehradun	1
5	105	3011	Sangam	670	GKV Dehradun	1
6	106	201	Pawan	720	GKV Dehradun	1
7	107	201	Jaspreet	720	GKV Dehradun	1
8	108	3011	Sangam	670	GKV Dehradun	1
9	109	3011	Suneel	570	GKV Dehradun	1
10	110	3011	Sunny	570	GKV Dehradun	1
11	111	3011	Sangam	670	GKV Dehradun	1
12	112	3011	Sangam	670	GKV Dehradun	1
13	113	3011	Sangam	670	GKV Dehradun	1
14	114	3011	Sangam	670	GKV Dehradun	1
15	115	2012	Harpreet	720	GKV Dehradun	1
16	116	201	Tanishka Tripathi	720	GKV Dehradun	1

Query executed successfully. BINTERNS-QA33L\SQLEXPRESS - BEBOTECHNOLOGIE\tasharma - Tanuja 00:00:00 16 rows

SQLQuery1Assignment2.sql - BINTERNS-QA33L\SQLEXPRESS.Tanuja (BEBOTECHNOLOGIE\tasharma (53)) - Microsoft SQL Server Management Studio

Object Explorer: BINTERNS-QA33L\SQLEXPRESS (SQL Server) > Databases > Tanuja > Tables > GKV_Dehradun

```

--query to insert a dummy row into a table and write a query to delete this row from table
SELECT* FROM GKV_Dehradun
INSERT INTO GKV_Dehradun VALUES (102,201,'Tanishka Tripathi',720,'GKV Dehradun','1')

DELETE FROM GKV_Dehradun
WHERE St_id=116

```

Results:

St_id	id	Roll_no	st_name	marks	Compname	Result_status
1	101	201	Tanuja Sharma	720	GKV Dehradun	1
2	102	201	Tanishka Tripathi	720	GKV Dehradun	1
3	103	3011	Sunil	420	GKV Dehradun	1
4	104	201	Rohit	720	GKV Dehradun	1
5	105	3011	Sangam	670	GKV Dehradun	1
6	106	201	Pawan	720	GKV Dehradun	1
7	107	201	Jaspreet	720	GKV Dehradun	1
8	108	3011	Sangam	670	GKV Dehradun	1
9	109	3011	Suneel	570	GKV Dehradun	1
10	110	3011	Sunny	570	GKV Dehradun	1
11	111	3011	Sangam	670	GKV Dehradun	1
12	112	3011	Sangam	670	GKV Dehradun	1
13	113	3011	Sangam	670	GKV Dehradun	1
14	114	3011	Sangam	670	GKV Dehradun	1
15	115	2012	Harpreet	720	GKV Dehradun	1

Query executed successfully. BINTERNS-QA33L\SQLEXPRESS - BEBOTECHNOLOGIE\tasharma - Tanuja 00:00:00 15 rows

Que10= Write a query to insert a new column of data type string into a table.

SQLQuery1Assignment2.sql - BINTERNS-QA33L\SQLEXPRESS.Tanuja (BEBOTECHNOLOGIE\yasharma (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect + BINTERNS-QA33L\SQLEXPRESS (SQL Ser

Databases

System Databases

Database Snapshots

Tanuja

Database Diagrams

Tables

System Tables

FileTables

External Tables

dbo.GKV_Dehradun

dbo.Intern

dbo.Intern_details

dbo.New_Intern

dbo.Student_details

dbo.University

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

Server Objects

Replication

PolyBase

Management

XEvent Profiler

SQLQuery1Assignme...IE\yasharma (53))

```
--query to insert a new column of data type string into a table
SELECT * INTO Very_New_Intern FROM Intern
SELECT* FROM Very_New_Intern

ALTER TABLE Very_New_Intern
ADD Email varchar(200)
```

Results Messages

	Id	Intern_name	DOJ	Ph_no	Location	Domain	Salary	Email
1	5	Tanuja Sharma	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
2	10	Aarti	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
3	15	Raman	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
4	20	Rohit	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
5	25	Preeti	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
6	30	Ravi	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
7	35	Raghuveer	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
8	40	Suman	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
9	45	Suresh	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
10	50	Bharti	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
11	55	Sumit	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
12	60	Tarun Sharma	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
13	65	Shrut Sharma	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
14	70	Sakshi Sharma	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
15	75	Mayank Sharma	2023-02-13	93455	Noida	Dev	35000	NULL
16	80	Rohit	2023-02-13	749385	Aligarh	Dev	35000	NULL
17	85	Preeti	2023-02-13	749385	Aligarh	Dev	45000	NULL

Query executed successfully.

BINTERNS-QA33L\SQLEXPRESS (BEBOTECHNOLOGIE\yasharma (53)) Tanuja 00:00:00 26 rows

Que11= Write a query to remove the above column for the table.

SQLQuery1Assignment2.sql - BINTERNS-QA33L\SQLEXPRESS.Tanuja (BEBOTECHNOLOGIE\yasharma (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect + BINTERNS-QA33L\SQLEXPRESS (SQL Ser

Databases

System Databases

Database Snapshots

Tanuja

Database Diagrams

Tables

System Tables

FileTables

External Tables

dbo.GKV_Dehradun

dbo.Intern

dbo.Intern_details

dbo.New_Intern

dbo.Student_details

dbo.University

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

Server Objects

Replication

PolyBase

Management

XEvent Profiler

SQLQuery1Assignme...IE\yasharma (53))

```
--query to insert a new column of data type string into a table
SELECT * INTO Very_New_Intern FROM Intern
SELECT* FROM Very_New_Intern

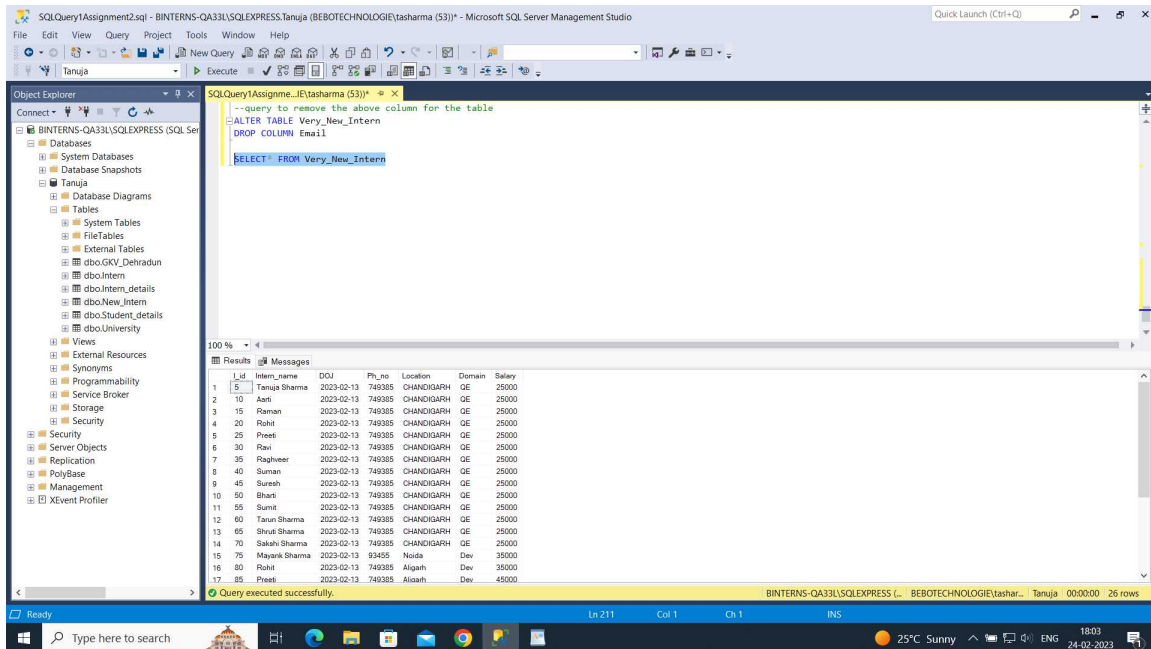
ALTER TABLE Very_New_Intern
ADD Email varchar(200)
```

Results Messages

	Id	Intern_name	DOJ	Ph_no	Location	Domain	Salary	Email
1	5	Tanuja Sharma	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
2	10	Aarti	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
3	15	Raman	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
4	20	Rohit	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
5	25	Preeti	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
6	30	Ravi	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
7	35	Raghuveer	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
8	40	Suman	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
9	45	Suresh	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
10	50	Bharti	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
11	55	Sumit	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
12	60	Tarun Sharma	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
13	65	Shrut Sharma	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
14	70	Sakshi Sharma	2023-02-13	749385	CHANDIGARH	GE	25000	NULL
15	75	Mayank Sharma	2023-02-13	93455	Noida	Dev	35000	NULL
16	80	Rohit	2023-02-13	749385	Aligarh	Dev	35000	NULL
17	85	Preeti	2023-02-13	749385	Aligarh	Dev	45000	NULL

Query executed successfully.

BINTERNS-QA33L\SQLEXPRESS (BEBOTECHNOLOGIE\yasharma (53)) Tanuja 00:00:00 26 rows



Que12= What is an alias? Why do we use an alias?

Ans12= Aliases are used to give a table, or a column in a table, a temporary name.

Aliases are often used to make column names more readable.

An alias only exists for the duration of that query.

An alias is created with the AS keyword.

Que13= Write a Select query by using alias on each column of a table.

SQLQuery1Assignme... - BINTERNIS-QA33L\SQLEXPRESS:Tanuja (BEBOTECHNOLOGIE\yasharma (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect + BINTERNIS-QA33L\SQLEXPRESS (SQL Ser

SQLQuery1Assignme... (53) *

```
--Select query by using alias on each column of a table
SELECT I_id AS New_InternID,
Intern_name AS New_Intern_name,
DOJ AS Intern_name_DOJ,
Ph_no AS Phone_number,
Location AS Headquarters,
Domain AS New_Intern_Domain,
Salary AS New_Intern_Salary
FROM Very_New_Intern
```

100 %

Results Messages

	New_InternID	New_Intern_name	Intern_name_DOJ	Phone_number	Headquarters	New_Intern_Domain	New_Intern_Salary
1	5	Tanuja Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
2	10	Aarti	2023-02-13	749385	CHANDIGARH	GE	25000
3	15	Raman	2023-02-13	749385	CHANDIGARH	GE	25000
4	20	Rohit	2023-02-13	749385	CHANDIGARH	GE	25000
5	25	Preet	2023-02-13	749385	CHANDIGARH	GE	25000
6	30	Ravi	2023-02-13	749385	CHANDIGARH	GE	25000
7	35	Raghuveer	2023-02-13	749385	CHANDIGARH	GE	25000
8	40	Suman	2023-02-13	749385	CHANDIGARH	GE	25000
9	45	Suresh	2023-02-13	749385	CHANDIGARH	GE	25000
10	50	Bharti	2023-02-13	749385	CHANDIGARH	GE	25000
11	55	Sumit	2023-02-13	749385	CHANDIGARH	GE	25000
12	60	Tarun Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
13	65	Shruti Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
14	70	Sakshi Sharma	2023-02-13	749385	CHANDIGARH	GE	25000
15	75	Mayank Sharma	2023-02-13	93455	Noida	Dev	35000
16	80	Rohit	2023-02-13	749385	Aligarh	Dev	35000
17	85	Preet	2023-02-13	749385	Aligarh	Dev	45000

Query executed successfully.

BINTERNIS-QA33L\SQLEXPRESS (BEBOTECHNOLOGIE\yasharma (53)) Tanuja 00:00:00 26 rows

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