

Create table with the following fields.

1.**tblcourse**-Course_id(P.K,A.I),Course_Name,Course_Shortname,Course_Type

2.**tblbatch**-Batch_id(P.K,A.I),Batch_Name

3.**tblstudent**-

Student_id(P.K,A.I),Student_Name,Student_Gender,Student_DOB,Student_Email,Course_id,Batch_id,Student_Mark

SQLQuery15.sql - N...P-880\Anjana (57)* ×

```
USE [Sample]
GO

INSERT INTO [dbo].[tblbatch]
([Batch_Name])
VALUES
('2017-2020'),('2018-2021'),('2019-2022'),('2018-2020'),('2019-2021')
GO
```

100 %

Results Messages

Batch_id	Batch_Name
1	2017-2020
2	2018-2021
3	2019-2022
4	2018-2020
5	2019-2021

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (57) | Sample | 00:00:00 | 5 rows

SQLQuery29.sql - N...P-880\Anjana (53)* ×

```
USE [Sample]
GO

SELECT * FROM [dbo].[tblcourse]
GO
```

100 %

Results Messages

Course_id	Course_Name	Course_Shortname	Course_Type
1	Master Of Computer Application	MCA	PG
2	Bachelor Of Computer Application	BCA	UG
3	BA Animation	BAA	UG

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 3 rows

```

SQLQuery7.sql - NT...P-880\Anjana (52)* - P X
USE [Sample]
GO

INSERT INTO [dbo].[tblstudent] ([Student_Name],[Student_Gender],[Student_DOB],[Student_Email],[Course_id],[Batch_id],[Student_Mark])
VALUES
('Amal Baby','Male','1995-01-20','ab@gmail.com',2,1,98),('Bibin Jose','Male','1995-08-20','b@gmail.com',2,1,85),
('Seena John','Female','1995-02-18','se@gmail.com',2,1,65),('Arya James','Female','1996-05-19','ar@gmail.com',2,2,78),
('Binta Varkey','Female','1998-01-20','b@gmail.com',2,1,45),('Domic Joseph ','Male','1993-07-20','d@gmail.com',3,1,50),
('Anu Joseph','Female','1998-08-20','an@gmail.com',1,4,24),('James Mathew','Male','1997-05-19','ja@gmail.com',1,4,96),
('Alwin James','Male','1995-04-18','al@gmail.com',1,5,98),('Vishnu Dileep','Male','1997-06-19','vd@gmail.com',1,5,63),
('Amala James','Female','1995-04-20','am@gmail.com',2,3,45),('Amal Mathew','Male','1996-08-21','ams@gmail.com',2,3,75),
('Archana Raju','Female','1998-03-18','ar@gmail.com',2,3,71),('Aswathy','Female','1993-08-20','asw@gmail.com',3,2,78),
('Jose','Male','1994-07-20','jo@gmail.com',3,2,82),('Jinu','Female','2000-01-20','jinu@gmail.com',3,1,71),
('Asha','Female','1998-05-20','asha@gmail.com',2,2,86),('Kelvin','Male','2000-01-28','kev@gmail.com',2,2,84),
('Jasmine','Female','1996-09-20','jas@gmail.com',3,3,89),('Libin','Male','1985-12-20','li@gmail.com',3,3,90)
GO

```

100 % ▾

Results Messages

	Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark
1	1	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98
2	2	Bibin Jose	Male	1995-08-20	b@gmail.com	2	1	85
3	3	Seena John	Female	1995-02-18	se@gmail.com	2	1	65
4	4	Arya James	Female	1996-05-19	ar@gmail.com	2	2	78
5	5	Binta Varkey	Female	1998-01-20	b@gmail.com	2	1	45
6	6	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50
7	7	Anu Joseph	Female	1998-08-20	an@gmail.com	1	4	24
8	8	James Mathew	Male	1997-05-19	ja@gmail.com	1	4	96
9	9	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98
10	10	Vishnu Dileep	Male	1997-06-19	vd@gmail.com	1	5	63
11	11	Amala James	Female	1995-04-20	ams@gmail.com	2	3	45
12	12	Amal Mathew	Male	1995-08-21	ams@gmail.com	2	3	75
13	13	Archana Raju	Female	1998-03-18	ar@gmail.com	2	3	71
14	14	Aswathy	Female	1993-08-20	asw@gmail.com	3	2	78
15	15	Jose	Male	1994-07-20	jo@gmail.com	3	2	82
16	16	Jinu	Female	2000-01-20	jinu@gmail.com	3	1	71
17	17	Asha	Female	1998-05-20	asha@gmail.com	2	2	86
18	18	Kelvin	Male	2000-01-28	kev@gmail.com	2	2	84
19	19	Jasmine	Female	1996-09-20	jas@gmail.com	3	3	89
20	20	Libin	Male	1985-12-20	li@gmail.com	3	3	90

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (52) | Sample | 00:00:00 | 20 rows

1. Select all the details Courses.

```

SQLQuery29.sql - NT...P-880\Anjana (53)* - P X
USE [Sample]
GO

SELECT * FROM [dbo].[tblcourse]
GO

```

100 % ▾

Results Messages

	Course_id	Course_Name	Course_Shortname	Course_Type
1	1	Master Of Computer Application	MCA	PG
2	2	Bachelor Of Computer Application	BCA	UG
3	3	BA Animation	BAA	UG

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 3 rows

2. Select the name of UG Courses.

The screenshot shows a SQL Server Management Studio window. The query pane contains:

```
USE [Sample]
GO
SELECT [Course_Name] FROM [dbo].[tblcourse] WHERE Course_Type='UG'
GO
```

The results pane shows the output of the query:

Course_Name
Bachelor Of Computer Application
BA Animation

At the bottom, a status bar indicates: "Query executed successfully." and "NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (52) Sample 00:00:00 2 rows".

3. Select the name and short name of PG Courses.

The screenshot shows a SQL Server Management Studio window. The query pane contains:

```
USE [Sample]
GO
SELECT [Course_Name],[Course_Shortname] FROM [dbo].[tblcourse] WHERE Course_Type='PG'
GO
```

The results pane shows the output of the query:

Course_Name	Course_Shortname
Master Of Computer Application	MCA

At the bottom, a status bar indicates: "Query executed successfully." and "NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (52) Sample 00:00:00 1 rows".

4. Select the details of batches.

The screenshot shows a SQL Server Management Studio window with the following content:

```
USE [Sample]
GO
SELECT * FROM [dbo].[tblbatch]
GO
```

The results pane displays the following data:

	Batch_id	Batch_name
1	1	2017-2020
2	2	2018-2021
3	3	2019-2022
4	4	2018-2020
5	5	2019-2021

At the bottom of the results pane, a message indicates: "Query executed successfully." and shows the session information: "NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (60) | Sample | 00:00:00 | 5 rows".

5. Select the details of students.

The screenshot shows a SQL Server Management Studio window with the following content:

```
USE [Sample]
GO
SELECT * FROM [dbo].[tblstudent]
GO
```

The results pane displays the following data:

	Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark
1	1	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98
2	2	Bibin Jose	Male	1995-08-20	bb@gmail.com	2	1	85
3	3	Seema John	Female	1995-02-18	se@gmail.com	2	1	65
4	4	Arya James	Female	1996-05-19	ar@gmail.com	2	2	78
5	5	Binta Varkey	Female	1998-01-20	b@gmail.com	2	1	45
6	6	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50
7	7	Anu Joseph	Female	1990-08-20	an@gmail.com	1	4	24
8	8	James Mathew	Male	1997-05-19	ja@gmail.com	1	4	96
9	9	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98
10	10	Vishnu Dilip	Male	1997-06-19	vd@gmail.com	1	5	63
11	11	Amala James	Female	1995-04-20	am@gmail.com	2	3	45
12	12	Amal Mathew	Male	1996-08-21	ame@gmail.com	2	3	75
13	13	Archana Raju	Female	1998-03-18	an@gmail.com	2	3	71
14	14	Aswathy	Female	1993-08-20	asw@gmail.com	3	2	78
15	15	Jose	Male	1994-07-20	jo@gmail.com	3	2	82
16	16	Jinu	Female	2000-01-20	jnu@gmail.com	3	1	71
17	17	Asha	Female	1998-05-20	asha@gmail.com	2	2	86
18	18	Kelvin	Male	2000-01-28	kev@gmail.com	2	2	84
19	19	Jasmine	Female	1996-09-20	jae@gmail.com	3	3	89
20	20	Libin	Male	1985-12-20	li@gmail.com	3	3	90
21	21	Beena	Female	1998-05-20	beena@gmail.com	1	3	50
22	22	Paul	Male	1996-12-22	paul@gmail.com	1	4	60
23	23	Ponnuswamy	Female	1999-03-13	ponnu@gmail.com	1	1	75

At the bottom of the results pane, a message indicates: "Query executed successfully." and shows the session information: "NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 23 rows".

6. Insert 3 students details whose course is MCA or BCA.

The screenshot shows a SQL Server Management Studio window titled "SQLQuery5.sql - NT...P-880\Anjana (53)". The code in the query editor is:

```
USE [Sample]
GO

INSERT INTO [dbo].[tblstudent]
([Student_Name]
,[Student_Gender]
,[Student_DOB]
,[Student_Email]
,[Course_id]
,[Batch_id]
,[Student_Mark])
VALUES
('Beena','Female','1998-05-20','beena@gmail.com',1,3,50),
('Paul','Male','1996-12-22','paul@gmail.com',1,4,60),
('Ponnu','Female','1999-03-13','ponnu@gmail.com',1,1,75)

GO
```

The status bar at the bottom indicates "Connected. (1/1)" and "NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 0 rows".

7. Select the count of Male and Female Students (use if case Statement).

The screenshot shows a SQL Server Management Studio window titled "SQLQuery24.sql - NT...P-880\Anjana (53)". The code in the query editor is:

```
USE [Sample]
GO

SELECT count(case when Student_Gender='Male' then 1 end) as Total_Male,count(case when Student_Gender='Female' then 1 end) as Total_Female
FROM [dbo].[tblstudent]
GO
```

The results pane shows a table with two columns: "Total_Male" and "Total_Female". The data is:

Total_Male	Total_Female
11	12

The status bar at the bottom indicates "Query executed successfully." and "NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 1 rows".

8. Select the details of Female Students.

```
SQLQuery24.sql - N...P-880\Anjana (53)* - P X
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] WHERE Student_Gender='Female'
GO
```

Results Messages

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	
1	3	Seena John	Female	1995-02-18	se@gmail.com	2	1	65
2	4	Arya James	Female	1996-05-19	ari@gmail.com	2	2	78
3	5	Binta Varkey	Female	1998-01-20	b@gmail.com	2	1	45
4	7	Anu Joseph	Female	1990-08-20	an@gmail.com	1	4	24
5	11	Amala James	Female	1995-04-20	am@gmail.com	2	3	45
6	13	Archana Raju	Female	1998-03-18	ari@gmail.com	2	3	71
7	14	Aswathy	Female	1993-08-20	asw@gmail.com	3	2	78
8	16	Jinu	Female	2000-01-20	jnu@gmail.com	3	1	71
9	17	Asha	Female	1998-05-20	asha@gmail.com	2	2	88
10	19	Jasmine	Female	1996-09-20	jae@gmail.com	3	3	89
11	21	Beena	Female	1998-05-20	beena@gmail.com	1	3	50
12	23	Ponnuswamy	Female	1999-03-13	ponnu@gmail.com	1	1	75

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 12 rows

9. Select the details Males students whose course is MCA.

```
SQLQuery26.sql - N...P-880\Anjana (61)* - P X
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c ON c.Course_id=s.Course_id WHERE c.Course_Shortname='MCA' AND Student_Gender='Male'
GO
```

Results Messages

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type	
1	8	James Mathew	Male	1997-05-19	ja@gmail.com	1	4	96	1	Master Of Computer Application	MCA	PG
2	9	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98	1	Master Of Computer Application	MCA	PG
3	10	Vishnu Dileep	Male	1997-06-19	vd@gmail.com	1	5	63	1	Master Of Computer Application	MCA	PG
4	22	Paul	Male	1998-12-22	peul@gmail.com	1	4	60	1	Master Of Computer Application	MCA	PG

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (61) | Sample | 00:00:00 | 4 rows

10. Select the details BAA Students.

```
SQLQuery26.sql - N...P-880\Anjana (61)* USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Shortname='BAA'
GO
```

Results

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type	
1	6	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50	3	BA Animation	BAA	UG
2	14	Aewathy	Female	1993-08-20	aew@gmail.com	3	2	78	3	BA Animation	BAA	UG
3	15	Jose	Male	1994-07-20	jo@gmail.com	3	2	82	3	BA Animation	BAA	UG
4	16	Jinu	Female	2000-01-20	jnu@gmail.com	3	1	71	3	DA Animation	DAA	UG
5	19	Jasmine	Female	1996-09-20	jas@gmail.com	3	3	89	3	BA Animation	BAA	UG
6	20	Libin	Male	1985-12-20	li@gmail.com	3	3	90	3	BA Animation	BAA	UG

Query executed successfully. NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (61) Sample 00:00:00 | 6 rows

11. Select the details of BAA students whose batch is 2017-2020.

```
SQLQuery33.sql - N...P-880\Anjana (53)* USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id inner join [dbo].[tblbatch] b on b.Batch_id=s.Batch_id
where c.Course_Shortname='BAA' and b.Batch_Name='2017-2020'
GO
```

Results

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type	Batch_id	Batch_Name	
1	6	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50	3	BA Animation	BAA	UG	1	2017-2020
2	16	Jinu	Female	2000-01-20	jnu@gmail.com	3	1	71	3	BA Animation	BAA	UG	1	2017-2020

Query executed successfully. NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (53) Sample 00:00:00 | 2 rows

12. Select all the course short name and total number of students.

```
SQLQuery1.sql - NT...P-880\Anjana (56)* X
USE [Sample]
GO

SELECT c.Course_Shortname AS 'Course Name', COUNT(*) AS Total_Students FROM [dbo].[tblstudent] s INNER JOIN [dbo].[tblcourse] c ON
c.Course_id=s.Course_id GROUP BY c.Course_Shortname
GO
```

100 % ▶

Results Messages

Course Name	Total_Students
BAA	6
BCA	10
MCA	7

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (56) | Sample | 00:00:00 | 3 rows

13. Select the details UG Students.

```
SQLQuery15.sql - N...P-880\Anjana (54)* X
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s INNER JOIN [dbo].[tblcourse] c ON c.Course_id=s.Course_id WHERE c.Course_Type='UG'
GO
```

100 % ▶

Results Messages

Student_Id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type
1	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98	2	Bachelor Of Computer Application	BCA	UG
2	Bibin Jose	Male	1995-08-20	b@gmail.com	2	1	85	2	Bachelor Of Computer Application	BCA	UG
3	Seema John	Female	1995-02-18	se@gmail.com	2	1	65	2	Bachelor Of Computer Application	BCA	UG
4	Arya James	Female	1996-05-19	ar@gmail.com	2	2	78	2	Bachelor Of Computer Application	BCA	UG
5	Binta Varkey	Female	1998-01-20	b@gmail.com	2	1	45	2	Bachelor Of Computer Application	BCA	UG
6	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50	3	BA Animation	BAA	UG
7	Amala James	Female	1995-04-20	am@gmail.com	2	3	45	2	Bachelor Of Computer Application	BCA	UG
8	Amal Mathew	Male	1996-08-21	ame@gmail.com	2	3	75	2	Bachelor Of Computer Application	BCA	UG
9	Archana Raju	Female	1998-03-18	an@gmail.com	2	3	71	2	Bachelor Of Computer Application	BCA	UG
10	Aswathy	Female	1993-08-20	asw@gmail.com	3	2	78	3	BA Animation	BAA	UG
11	Jose	Male	1994-07-20	jo@gmail.com	3	2	82	3	BA Animation	BAA	UG
12	Jinu	Female	2000-01-20	jnu@gmail.com	3	1	71	3	BA Animation	BAA	UG
13	Asha	Female	1998-05-20	asha@gmail.com	2	2	86	2	Bachelor Of Computer Application	BCA	UG
14	Kevin	Male	2000-01-28	kev@gmail.com	2	2	84	2	Bachelor Of Computer Application	BCA	UG
15	Jasmine	Female	1996-09-20	jas@gmail.com	3	3	89	3	BA Animation	BAA	UG
16	Labin	Male	1995-12-20	l@gmail.com	3	3	90	3	BA Animation	BAA	UG

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (54) | Sample | 00:00:00 | 16 rows

14. Select the details of PG Students.

```
SQLQuery32.sql - N_P-880\Anjana (53)* ✘ X
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Type='PG'
GO
```

Results Messages

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type	
1	Anu Joseph	Female	1990-08-20	an@gmail.com	1	4	24	1	Master Of Computer Application	MCA	PG	
2	James Mathew	Male	1997-05-19	ja@gmail.com	1	4	96	1	Master Of Computer Application	MCA	PG	
3	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98	1	Master Of Computer Application	MCA	PG	
4	10	Vishnu Dileep	Male	1997-06-19	vd@gmail.com	1	5	63	1	Master Of Computer Application	MCA	PG
5	Beena	Female	1998-05-20	beena@gmail.com	1	3	50	1	Master Of Computer Application	MCA	PG	
6	22	Paul	Male	1996-12-22	paul@gmail.com	1	4	80	1	Master Of Computer Application	MCA	PG
7	23	Ponnu	Female	1999-03-13	ponnu@gmail.com	1	1	75	1	Master Of Computer Application	MCA	PG

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 7 rows

15. Select the details of MCA Students whose batch is 2019-2021.

```
SQLQuery32.sql - N_P-880\Anjana (53)* ✘ X
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id inner join [dbo].[tblbatch] b on b.Batch_id=s.Batch_id
where c.Course_Shortname='MCA' and b.Batch_Name='2019-2021'
GO
```

Results Messages

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type	Batch_id	Batch_Name
1	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98	1	Master Of Computer Application	MCA	PG	5	2019-2021
2	Vishnu Dileep	Male	1997-06-19	vd@gmail.com	1	5	63	1	Master Of Computer Application	MCA	PG	5	2019-2021

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 2 rows

16. Select the email and DOB of BCA Students.

```
SQLQuery33.sql - N_P-880\Anjana (53)* USE [Sample] GO SELECT s.Student_Email,s.Student_DOB FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Shortname='BCA' GO
```

The screenshot shows the SQL Server Management Studio interface. A query window titled "SQLQuery33.sql" is open, displaying the following T-SQL code:

```
USE [Sample]
GO
SELECT s.Student_Email,s.Student_DOB
FROM [dbo].[tblstudent] s
inner join [dbo].[tblcourse] c
on c.Course_id=s.Course_id
where c.Course_Shortname='BCA'
GO
```

The results pane shows a table with two columns: "Student_Email" and "Student_DOB". The data consists of 10 rows, each containing a student's email and their date of birth. The data is as follows:

	Student_Email	Student_DOB
1	ab@gmail.com	1995-01-20
2	b@gmail.com	1995-08-20
3	se@gmail.com	1995-02-18
4	ar@gmail.com	1996-05-19
5	b@gmail.com	1998-01-20
6	am@gmail.com	1995-04-20
7	ams@gmail.com	1996-08-21
8	am@gmail.com	1998-03-18
9	asha@gmail.com	1998-05-20
10	kev@gmail.com	2000-01-28

At the bottom of the results pane, a message indicates "Query executed successfully." and provides performance metrics: NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 10 rows.

17. Select the students details with their course name and batch name.

```
SQLQuery15.sql - N_P-880\Anjana (54)* USE [Sample] GO SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id inner join [dbo].[tblbatch] b on b.Batch_id=s.Batch_id GO
```

The screenshot shows the SQL Server Management Studio interface. A query window titled "SQLQuery15.sql" is open, displaying the following T-SQL code:

```
USE [Sample]
GO
SELECT * FROM [dbo].[tblstudent] s
inner join [dbo].[tblcourse] c
on c.Course_id=s.Course_id
inner join [dbo].[tblbatch] b
on b.Batch_id=s.Batch_id
GO
```

The results pane shows a table with 23 rows of student details, including their names, gender, DOB, email, course ID, batch ID, mark, and various course and batch identifiers. The data is as follows:

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type	Batch_id	Batch_Name
1	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98	2	Bachelor Of Computer Application	BCA	UG	1	2017-2020
2	Bibin Jose	Male	1995-08-20	b@gmail.com	2	1	85	2	Bachelor Of Computer Application	BCA	UG	1	2017-2020
3	Seena John	Female	1995-02-18	se@gmail.com	2	1	65	2	Bachelor Of Computer Application	BCA	UG	1	2017-2020
4	Arya James	Female	1996-05-19	ar@gmail.com	2	2	78	2	Bachelor Of Computer Application	BCA	UG	2	2018-2021
5	Binta Varkey	Female	1998-01-20	b@gmail.com	2	1	45	2	Bachelor Of Computer Application	BCA	UG	1	2017-2020
6	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50	3	BA Animation	BAA	UG	1	2017-2020
7	Anu Joseph	Female	1990-08-20	an@gmail.com	1	4	24	1	Master Of Computer Application	MCA	PG	4	2018-2020
8	James Mathew	Male	1997-05-19	ja@gmail.com	1	4	96	1	Master Of Computer Application	MCA	PG	4	2018-2020
9	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98	1	Master Of Computer Application	MCA	PG	5	2019-2021
10	Vishnu Dilip	Male	1997-06-19	vd@gmail.com	1	5	63	1	Master Of Computer Application	MCA	PG	5	2019-2021
11	Amala James	Female	1995-04-20	am@gmail.com	2	3	45	2	Bachelor Of Computer Application	BCA	UG	3	2019-2022
12	Amal Mathew	Male	1996-08-21	ame@gmail.com	2	3	75	2	Bachelor Of Computer Application	BCA	UG	3	2019-2022
13	Archana Raju	Female	1998-03-18	ar@gmail.com	2	3	71	2	Bachelor Of Computer Application	BCA	UG	3	2019-2022
14	Aewathy	Female	1993-08-20	aw@gmail.com	3	2	78	3	BA Animation	BAA	UG	2	2018-2021
15	Jose	Male	1994-07-20	jo@gmail.com	3	2	82	3	BA Animation	BAA	UG	2	2018-2021
16	Jinu	Female	2000-01-20	jinu@gmail.com	3	1	71	3	BA Animation	BAA	UG	1	2017-2020
17	Asha	Female	1998-05-20	asha@gmail.co...	2	2	86	2	Bachelor Of Computer Application	BCA	UG	2	2018-2021
18	Kelvin	Male	2000-01-28	kev@gmail.com	2	2	84	2	Bachelor Of Computer Application	BCA	UG	2	2018-2021
19	Jasmine	Female	1996-09-20	jas@gmail.com	3	3	89	3	BA Animation	BAA	UG	3	2019-2022
20	Libin	Male	1985-12-20	li@gmail.com	3	3	90	3	BA Animation	BAA	UG	3	2019-2022
21	Beena	Female	1998-05-20	beena@gmail....	1	3	50	1	Master Of Computer Application	MCA	PG	3	2019-2022
22	Paul	Male	1996-12-22	paul@gmail.com	1	4	60	1	Master Of Computer Application	MCA	PG	4	2018-2020
23	Ponnuswamy	Female	1999-03-13	ponnu@gmail....	1	1	75	1	Master Of Computer Application	MCA	PG	1	2017-2020

At the bottom of the results pane, a message indicates "Query executed successfully." and provides performance metrics: NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (54) | Sample | 00:00:00 | 23 rows.

18. Select Batch name and number of students.

The screenshot shows a SQL Server Management Studio window with the following content:

```
USE [Sample]
GO

SELECT b.Batch_Name, count(s.Batch_id) as Count FROM [dbo].[tblstudent] s inner join [dbo].[tblbatch] b on b.Batch_id=s.Batch_id group by b.Batch_Name
GO
```

The results pane displays a table with the following data:

Batch_Name	Count
2017-2020	7
2018-2020	3
2018-2021	5
2019-2021	2
2019-2022	6

At the bottom of the results pane, a message indicates: "Query executed successfully." and shows the session details: NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 5 rows.

19. Select the students name, course name and students email.

The screenshot shows a SQL Server Management Studio window with the following content:

```
USE [Sample]
GO

SELECT s.Student_Name, c.Course_Name, s.Student_Email FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id
GO
```

The results pane displays a table with the following data:

Student_Name	Course_Name	Student_Email
Amal Baby	Bachelor Of Computer Application	ab@gmail.com
Bibin Jose	Bachelor Of Computer Application	b@gmail.com
Seena John	Bachelor Of Computer Application	se@gmail.com
Arya James	Bachelor Of Computer Application	ar@gmail.com
Binta Varkey	Bachelor Of Computer Application	b@gmail.com
Domic Joseph	BA Animation	d@gmail.com
Anu Joseph	Master Of Computer Application	an@gmail.com
James Mathew	Master Of Computer Application	ja@gmail.com
Alwin James	Master Of Computer Application	ai@gmail.com
Vishnu Dilip	Master Of Computer Application	vd@gmail.com
Amala James	Bachelor Of Computer Application	am@gmail.com
Amal Mathew	Bachelor Of Computer Application	amse@gmail.com
Archana Raju	Bachelor Of Computer Application	ar@gmail.com
Aswathy	BA Animation	asw@gmail.com
Jose	BA Animation	jo@gmail.com
Jinu	BA Animation	jinu@gmail.com
Asha	Bachelor Of Computer Application	asha@gmail.com
Kelvin	Bachelor Of Computer Application	kev@gmail.com
Jasmine	BA Animation	jas@gmail.com
Libin	BA Animation	li@gmail.com
Beena	Master Of Computer Application	beena@gmail.c...
Paul	Master Of Computer Application	paul@gmail.com
Ponnu	Master Of Computer Application	ponnu@gmail.c...

At the bottom of the results pane, a message indicates: "Query executed successfully." and shows the session details: NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 23 rows.

20. Select the Students details and their Batch name also.

SQLQuery32.sql - N...P-880\Anjana (53)*

```

USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblbatch] b on b.Batch_id=s.Batch_id
GO

```

Results

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Batch_id	Batch_Name
1	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98	1	2017-2020
2	Bibin Jose	Male	1995-08-20	bj@gmail.com	2	1	85	1	2017-2020
3	Seena John	Female	1995-02-18	se@gmail.com	2	1	65	1	2017-2020
4	Aya James	Female	1996-05-19	ar@gmail.com	2	2	78	2	2018-2021
5	Binta Verkey	Female	1998-01-20	b@gmail.com	2	1	45	1	2017-2020
6	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50	1	2017-2020
7	Anu Joseph	Female	1990-08-20	an@gmail.com	1	4	24	4	2018-2020
8	James Mathew	Male	1997-05-19	ja@gmail.com	1	4	96	4	2018-2020
9	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98	5	2019-2021
10	Vishnu Dilip	Male	1997-06-19	vd@gmail.com	1	5	63	5	2019-2021
11	Analaa James	Female	1995-04-20	am@gmail.com	2	3	45	3	2019-2022
12	Anal Mathew	Male	1996-08-21	ams@gmail.com	2	3	75	3	2019-2022
13	Archana Raju	Female	1999-03-18	ar@gmail.com	2	3	71	3	2019-2022
14	Aswathy	Female	1993-08-20	asw@gmail.com	3	2	78	2	2018-2021
15	Jose	Male	1994-07-20	jo@gmail.com	3	2	82	2	2018-2021
16	Jiru	Female	2000-01-20	jiru@gmail.com	3	1	71	1	2017-2020
17	Asha	Female	1998-05-20	asha@gmail.com	2	2	86	2	2018-2021
18	Kelvin	Male	2000-01-28	kev@gmail.com	2	2	84	2	2018-2021
19	Jasmine	Female	1996-09-20	jas@gmail.com	3	3	89	3	2019-2022
20	Libin	Male	1985-12-20	li@gmail.com	3	3	90	3	2019-2022
21	Beena	Female	1998-05-20	beena@gmail.com	1	3	50	3	2019-2022
22	Paul	Male	1996-12-22	paul@gmail.com	1	4	60	4	2018-2020
23	Ponnu	Female	1999-03-13	ponnu@gmail.com	1	1	75	1	2017-2020

Query executed successfully.

21. Select the count of male and female students in batch wise.

SQLQuery1.sql - NT...P-880\Anjana (56)*

```

USE [Sample]
GO

SELECT b.Batch_Name as 'Batch Name',count(case when Student_Gender='Male' then 1 end) as Total_Male,count(case when Student_Gender='Female' then 1 end) as Total_Female FROM [dbo].[tblstudent] s inner join [dbo].[tblbatch] b on b.Batch_id=s.Batch_id group by b.Batch_Name
GO

```

Results

Batch Name	Total_Male	Total_Female
2017-2020	3	4
2018-2020	2	1
2018-2021	2	3
2019-2021	2	0
2019-2022	2	4

Query executed successfully.

22. Select the name of the BCA Student who have Maximum Mark.

The screenshot shows a SQL Server Management Studio window with the following details:

- Query Editor:** The code entered is:

```
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Shortname='BCA' and s.Student_Mark=(select max(Student_Mark) FROM [dbo].[tblstudent])
GO
```
- Results Grid:** The results show one row of data:| | Student_id | Student_Name | Student_Gender | Student_DOB | Student_Email | Course_id | Batch_id | Student_Mark | Course_id | Course_Name | Course_Shortname | Course_Type |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | Amal Baby | Male | 1995-01-20 | ab@gmail.com | 2 | 1 | 98 | 2 | Bachelor Of Computer Application | BCA | UG |
- Status Bar:** The status bar at the bottom indicates "Query executed successfully." and "NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 1 rows".

23. Select the Male MCA Student who have Minimum Mark.

The screenshot shows a SQL Server Management Studio window with the following details:

- Query Editor:** The code entered is:

```
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Shortname='MCA' and s.Student_Mark=(select min(Student_Mark) FROM [dbo].[tblstudent])
GO
```
- Results Grid:** The results show one row of data:| | Student_id | Student_Name | Student_Gender | Student_DOB | Student_Email | Course_id | Batch_id | Student_Mark | Course_id | Course_Name | Course_Shortname | Course_Type |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 7 | Anu Joseph | Female | 1990-08-20 | an@gmail.com | 1 | 4 | 24 | 1 | Master Of Computer Application | MCA | PG |
- Status Bar:** The status bar at the bottom indicates "Query executed successfully." and "NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 1 rows".

24. Select the students details of UG Students who have greater than the average mark.

```
SQLQuery33.sql - N...P-880\Anjana (53)*  ×
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Type='UG' and
s.Student_Mark>(select avg(Student_Mark) FROM [dbo].[tblstudent])
GO
```

100 %

	Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type
1	1	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98	2	Bachelor Of Computer Application	BCA	UG
2	2	Bibin Jose	Male	1995-08-20	bj@gmail.com	2	1	85	2	Bachelor Of Computer Application	BCA	UG
3	4	Arya James	Female	1996-05-19	ar@gmail.com	2	2	78	2	Bachelor Of Computer Application	BCA	UG
4	12	Amal Mathew	Male	1996-08-21	ams@gmail.com	2	3	75	2	Bachelor Of Computer Application	BCA	UG
5	14	Aswathy	Female	1993-08-20	asy@gmail.com	3	2	78	3	BA Animation	BAA	UG
6	15	Jose	Male	1994-07-20	jo@gmail.com	3	2	82	3	BA Animation	BAA	UG
7	17	Asha	Female	1998-05-20	aasha@gmail.com	2	2	86	2	Bachelor Of Computer Application	BCA	UG
8	18	Kelin	Male	2000-01-28	kev@gmail.com	2	2	84	2	Bachelor Of Computer Application	BCA	UG
9	19	Jasmine	Female	1996-09-20	jae@gmail.com	3	3	89	3	BA Animation	BAA	UG
10	20	Libin	Male	1985-12-20	li@gmail.com	3	3	90	3	BA Animation	BAA	UG

Query executed successfully. | NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 10 rows

25. Select the BCA student details who have Max Mark.

```
SQLQuery32.sql - N...P-880\Anjana (53)*  ×
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Shortname='BCA' and s.Student_Mark=(select
max(Student_Mark) FROM [dbo].[tblstudent])
GO
```

100 %

	Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type
1	1	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98	2	Bachelor Of Computer Application	BCA	UG

Query executed successfully. | NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 1 rows

26. Select Name and Email of the students who have second highest mark.

The screenshot shows a SQL Server Management Studio window. The query window contains the following T-SQL code:

```
USE [Sample]
GO

SELECT Student_Name, Student_Email, Student_Mark FROM [dbo].[tblstudent] where Student_Mark in(select max(Student_Mark) FROM [dbo].[tblstudent] where Student_Mark not in(select max(Student_Mark) FROM [dbo].[tblstudent]))
```

The results window shows a single row of data:

	Student_Name	Student_Email	Student_Mark
1	James Mathew	ja@gmail.com	96

At the bottom, a message indicates the query was executed successfully.

27. Select the Dob and Current Age of All students.

The screenshot shows a SQL Server Management Studio window. The query window contains the following T-SQL code:

```
USE [Sample]
GO

SELECT Student_Name as 'Student Name', Student_DOB as 'Student DOB', year(getdate())-year(Student_DOB) as 'Current Age' FROM [dbo].[tblstudent]
```

The results window shows 23 rows of data:

	Student Name	Student DOB	Current Age
1	Amal Baby	1995-01-20	27
2	Bibin Jose	1995-08-20	27
3	Seena John	1995-02-27	27
4	Arya James	1996-06-19	26
5	Binta Varkey	1998-01-20	24
6	Dome Joseph	1993-07-20	29
7	Anu Joseph	1990-08-20	32
8	James Mathew	1997-05-19	25
9	Alwin James	1995-04-18	27
10	Vishnu Dilip	1997-06-19	25
11	Amala James	1995-04-20	27
12	Amal Mathew	1996-09-21	26
13	Archana Raju	1998-03-18	24
14	Aswathy	1993-08-20	29
15	Jose	1994-07-20	28
16	Jinu	2000-01-20	22
17	Asha	1998-05-20	24
18	Kelvin	2000-01-22	22
19	Jasmine	1996-09-20	26
20	Libin	1985-12-20	37
21	Beena	1998-05-20	24
22	Paul	1996-12-22	26
23	Ponnuswamy	1999-03-13	23

At the bottom, a message indicates the query was executed successfully.

28. Select the Student name , Month name of birth and year of birth for all the students.

```
SQLQuery1.sql - NTP-880\Anjana (56)*  ×
USE [Sample]
GO

SELECT Student_Name as 'Student Name', DATENAME(month, DATEADD(month, month(Student_DOB), -1)) as 'Month Name', year(Student_DOB) as Year FROM
[dbo].[tblstudent]
GO
```

100 % ▶ Results Messages

	Student Name	Month Name	Year
1	Amal Baby	January	1995
2	Bibin Jose	August	1995
3	Seena John	February	1995
4	Aya James	May	1996
5	Binta Varkey	January	1998
6	Domic Joseph	July	1993
7	Anu Joseph	August	1990
8	James Mathew	May	1997
9	Alwin James	April	1995
10	Vishnu Dilip	June	1997
11	Amala James	April	1995
12	Amal Mathew	August	1996
13	Archana Raju	March	1998
14	Aswathy	August	1993
15	Jose	July	1994
16	Jinu	January	2000
17	Asha	May	1998
18	Kevin	January	2000
19	Jasmine	September	1996
20	Libin	December	1995
21	Beena	May	1996
22	Paul	December	1996
23	Ponnu	March	1999

Query executed successfully. | NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (56) | Sample | 00:00:00 | 23 rows

29. Select the Email and Student DOB of MCA Female Students.

```
SQLQuery33.sql - NTP-880\Anjana (53)*  ×
USE [Sample]
GO

SELECT s.Student_Email,s.Student_DOB FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Shortname='MCA'
and Student_Gender='Female'
GO
```

100 % ▶ Results Messages

	Student_Email	Student_DOB
1	an@gmail.com	1990-08-20
2	beena@gmail.com	1998-05-20
3	ponnu@gmail.com	1999-03-13

Query executed successfully. | NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 3 rows

30. Select the name of all the students who have maximum mark in course wise.

The screenshot shows a SQL Server Management Studio window with a query editor and a results grid. The query retrieves student names and their maximum marks, grouped by course. The results show two students from different courses both achieving the maximum mark of 98.

```
USE [Sample]
GO

SELECT c.Course_Name as 'Course Name', s.Student_Name as 'Student Name', max(Student_Mark) as 'Maximum Mark' FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where s.Student_Mark=(select max(Student_Mark) FROM [dbo].[tblstudent]) group by c.Course_Name, s.Student_Name
GO
```

Course Name	Student Name	Maximum Mark
Master Of Computer Application	Alwin James	98
Bachelor Of Computer Application	Amal Baby	98

Query executed successfully. | NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (56) | Sample | 00:00:00 | 2 rows

31. Select the Details students whose year of birth less than 1995.

The screenshot shows a SQL Server Management Studio window with a query editor and a results grid. The query selects students born before 1995, ordered by their date of birth in descending order. The results list five students, all of whom were born in 1994 or earlier.

```
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] where year(Student_DOB)<1995 order by Student_DOB desc
GO
```

Student_Id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark
15	Jose	Male	1994-07-20	jo@gmail.com	3	2	82
14	Aswathy	Female	1993-08-20	asw@gmail.com	3	2	78
6	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50
7	Anu Joseph	Female	1990-08-20	an@gmail.com	1	4	24
20	Libin	Male	1985-12-20	li@gmail.com	3	3	90

Query executed successfully. | NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 5 rows

32. Select the Course short name, Batch name , total number of students in batch and Course wise.

```
SQLQuery1.sql - NT...P-880\Anjana (56)* USE [Sample]
GO
SELECT c.Course_Shortname as 'Course Name', b.Batch_Name as 'Batch Name', count(s.Student_id) as 'No Of Students' FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id inner join [dbo].[tblbatch] b on b.Batch_id=s.Batch_id group by c.Course_Shortname,b.Batch_Name
GO
```

The results grid shows the following data:

	Course Name	Batch Name	No Of Students
1	BAA	2017-2020	2
2	BCA	2017-2020	4
3	MCA	2017-2020	1
4	MCA	2018-2020	3
5	BAA	2018-2021	2
6	BCA	2018-2021	3
7	MCA	2019-2021	2
8	BAA	2019-2022	2
9	BCA	2019-2022	3
10	MCA	2019-2022	1

Query executed successfully. NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (56) Sample 00:00:00 10 rows

33. Select details of BCA Students whose year of birth between 1992 and 1996.

```
SQLQuery33.sql - N...P-880\Anjana (53)* USE [Sample]
GO
SELECT * FROM [dbo].[tblstudent] where year(Student_DOB) between 1992 and 1996 order by Student_DOB desc
GO
```

The results grid shows the following data:

	Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark
1	22	Paul	Male	1996-12-22	paul@gmail.com	1	4	60
2	19	Jasmine	Female	1996-09-20	jas@gmail.com	3	3	89
3	12	Amal Mathew	Male	1996-08-21	ams@gmail.com	2	3	75
4	4	Arya James	Female	1996-05-19	ar@gmail.com	2	2	78
5	2	Bibin Jose	Male	1995-08-20	b@gmail.com	2	1	85
6	11	Amala James	Female	1995-04-20	am@gmail.com	2	3	45
7	9	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98
8	3	Seena John	Female	1995-02-18	se@gmail.com	2	1	65
9	1	Amal Baby	Male	1995-01-20	abe@gmail.com	2	1	98
10	15	Jose	Male	1994-07-20	jo@gmail.com	3	2	82
11	14	Aswathy	Female	1993-08-20	aew@gmail.com	3	2	78
12	6	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50

Query executed successfully. NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (53) Sample 00:00:00 12 rows

34. Select the details of Male PG Students.

```
SQLQuery33.sql - N...P-880\Anjana (53)* ✎ ×
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Type='PG' and Student_Gender='Male'
GO
```

100 %

	Student_Id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type
1	8	James Mathew	Male	1997-05-19	ja@gmail.com	1	4	96	1	Master Of Computer Application	MCA	PG
2	9	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98	1	Master Of Computer Application	MCA	PG
3	10	Vishnu Dileep	Male	1997-06-19	vd@gmail.com	1	5	63	1	Master Of Computer Application	MCA	PG
4	22	Paul	Male	1996-12-22	paul@gmail.com	1	4	60	1	Master Of Computer Application	MCA	PG

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 4 rows

35. Select the details of BCA Students who have greater than average mark.

```
SQLQuery33.sql - N...P-880\Anjana (53)* ✎ ×
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id where c.Course_Shortname='BCA' and s.Student_Mark>(select
avg(Student_Mark) FROM [dbo].[tblstudent])
GO
```

100 %

	Student_Id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type
1	1	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98	2	Bachelor Of Computer Application	BCA	UG
2	2	Bibin Jose	Male	1995-08-20	b@gmail.com	2	1	85	2	Bachelor Of Computer Application	BCA	UG
3	4	Arya James	Female	1996-05-19	ar@gmail.com	2	2	78	2	Bachelor Of Computer Application	BCA	UG
4	12	Amal Mathew	Male	1996-08-21	ams@gmail.com	2	3	75	2	Bachelor Of Computer Application	BCA	UG
5	17	Asha	Female	1998-05-20	asha@gmail.com	2	2	86	2	Bachelor Of Computer Application	BCA	UG
6	18	Kelvin	Male	2000-01-28	kev@gmail.com	2	2	84	2	Bachelor Of Computer Application	BCA	UG

Query executed successfully. NTP-LAP-880 (14.0 RTM) | NTP-LAP-880\Anjana (53) | Sample | 00:00:00 | 6 rows

36. Select the details BAA – 2019-2022 Batch Students.

The screenshot shows a SQL Server Management Studio window with the following details:

Query Editor:

```
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id inner join [dbo].[tblbatch] b on b.Batch_id=s.Batch_id
where c.Course_Shortname='BAA' and b.Batch_Name='2019-2022'
GO
```

Results Grid:

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type	Batch_id	Batch_Name
19	Jasmine	Female	1996-09-20	jas@gmail.com	3	3	89	3	BA Animation	BAA	UG	3	2019-2022
20	Libin	Male	1985-12-20	li@gmail.com	3	3	90	3	BA Animation	BAA	UG	3	2019-2022

Message Bar:

Query executed successfully.

Session Information:

NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (53) Sample 00:00:00 2 rows

37. Select the name of student having maximum age.

The screenshot shows a SQL Server Management Studio window with the following details:

Query Editor:

```
USE [Sample]
GO

SELECT Student_Name FROM [dbo].[tblstudent] ORDER BY datediff(YY,Student_DOB,getdate()) DESC OFFSET 0 ROWS FETCH FIRST 1 ROWS ONLY;
GO
```

Results Grid:

Student_Name
Libin

Message Bar:

Query executed successfully.

Session Information:

NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (55) Sample 00:00:00 1 rows

38. Select the name and email of the BCA Students whose have Minimum age.

The screenshot shows a SQL Server Management Studio window with the following details:

- Query Editor:** The code is as follows:

```
USE [Sample]
GO

SELECT Student_Name, Student_Email, Student_DOB FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on s.Course_id=c.Course_id
where c.Course_Shortname='BCA' ORDER BY year(getdate())-year(Student_DOB) OFFSET 0 ROWS FETCH FIRST 1 ROWS ONLY;
GO
```
- Results Grid:** The results show one row:

	Student_Name	Student_Email	Student_DOB
1	Kelvin	kev@gmail.com	2000-01-28
- Status Bar:** The status bar at the bottom indicates "Query executed successfully." and "NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (55) Sample 00:00:00 | 1 rows".

39. Select the details of the students in descending order of their DOB.

The screenshot shows a SQL Server Management Studio window with the following details:

- Query Editor:** The code is as follows:

```
USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] order by Student_DOB desc
GO
```
- Results Grid:** The results show 23 rows of student data:

Student_Id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_Id	Batch_Id	Student_Mark
1	Kelvin	Male	2000-01-28	kev@gmail.com	2	2	84
2	Jiru	Female	2000-01-20	jiru@gmail.com	3	1	71
3	Ponnuswamy	Female	1999-03-13	ponnu@gmail.com	1	1	75
4	Beena	Female	1998-05-20	beena@gmail.com	1	3	50
5	Asha	Female	1990-05-20	asha@gmail.com	2	2	06
6	Archana Raju	Female	1998-03-18	anr@gmail.com	2	3	71
7	Binta Varkey	Female	1999-01-20	b@gmail.com	2	1	45
8	Vishnu Dileep	Male	1997-06-19	vd@gmail.com	1	5	63
9	James Mathew	Male	1997-05-19	ja@gmail.com	1	4	96
10	Paul	Male	1996-12-22	paul@gmail.com	1	4	60
11	Jasmine	Female	1996-09-20	jas@gmail.com	3	3	89
12	Amal Mathew	Male	1996-08-21	ams@gmail.com	2	3	75
13	Arya James	Female	1996-05-19	ar@gmail.com	2	2	78
14	Bibin Jose	Male	1995-08-20	b@gmail.com	2	1	85
15	Amala James	Female	1995-04-20	am@gmail.com	2	3	45
16	Alwin James	Male	1995-04-18	al@gmail.com	1	5	98
17	Seena John	Female	1995-02-18	se@gmail.com	2	1	65
18	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98
19	Jose	Male	1994-07-20	jo@gmail.com	3	2	82
20	Aswathy	Female	1993-08-20	asw@gmail.com	3	2	78
21	Domic Joseph	Male	1993-07-20	d@gmail.com	3	1	50
22	Anu Joseph	Female	1990-08-20	an@gmail.com	1	4	24
23	Libin	Male	1985-12-20	li@gmail.com	3	3	90
- Status Bar:** The status bar at the bottom indicates "Query executed successfully." and "NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (53) Sample 00:00:00 23 rows".

40. Select the details of the students have mark between 65 and 91.

SQLQuery33.sql - N...P-880\Anjana (53)*

```

USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] WHERE Student_Mark between 65 and 91
GO

```

Results Messages

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark
1 2	Bibin Jose	Male	1995-08-20	b@gmail.com	2	1	85
2 3	Seena John	Female	1995-02-18	se@gmail.com	2	1	65
3 4	Aya James	Female	1996-05-19	ar@gmail.com	2	2	78
4 12	Amal Mathew	Male	1996-08-21	ams@gmail.com	2	3	75
5 13	Archana Raju	Female	1998-03-18	an@gmail.com	2	3	71
6 14	Aswathy	Female	1993-08-20	asw@gmail.com	3	2	78
7 15	Jose	Male	1994-07-20	jo@gmail.com	3	2	82
8 16	Jiru	Female	2000-01-20	jiru@gmail.com	3	1	71
9 17	Asha	Female	1998-05-20	asha@gmail.com	2	2	86
10 18	Kelvin	Male	2000-01-28	kev@gmail.com	2	2	84
11 19	Jasmine	Female	1996-09-20	jae@gmail.com	3	3	89
12 20	Libin	Male	1985-12-20	li@gmail.com	3	3	90
13 23	Ponnu	Female	1999-03-13	ponnu@gmail.com	1	1	75

Query executed successfully. NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (53) Sample 00:00:00 13 rows

41. Select the details of BCA Students in their mark wise.

SQLQuery6.sql - NT...P-880\Anjana (55)*

```

USE [Sample]
GO

SELECT * FROM [dbo].[tblstudent] s inner join [dbo].[tblcourse] c on c.Course_id=s.Course_id WHERE c.Course_Shortname='BCA' ORDER BY s.Student_Mark
GO

```

Results Messages

Student_id	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_id	Batch_id	Student_Mark	Course_id	Course_Name	Course_Shortname	Course_Type
1 5	Binta Varkey	Female	1998-01-20	b@gmail.com	2	1	45	2	Bachelor Of Computer Application	BCA	UG
2 11	Amala James	Female	1995-04-20	am@gmail.com	2	3	45	2	Bachelor Of Computer Application	BCA	UG
3 3	Seena John	Female	1995-02-18	se@gmail.com	2	1	65	2	Bachelor Of Computer Application	BCA	UG
4 13	Archana Raju	Female	1998-03-18	an@gmail.com	2	3	71	2	Bachelor Of Computer Application	BCA	UG
5 12	Amal Mathew	Male	1996-08-21	ams@gmail.com	2	3	75	2	Bachelor Of Computer Application	BCA	UG
6 4	Aya James	Female	1996-05-19	ar@gmail.com	2	2	78	2	Bachelor Of Computer Application	BCA	UG
7 18	Kelvin	Male	2000-01-28	kev@gmail.com	2	2	84	2	Bachelor Of Computer Application	BCA	UG
8 2	Bibin Jose	Male	1995-08-20	b@gmail.com	2	1	85	2	Bachelor Of Computer Application	BCA	UG
9 17	Asha	Female	1998-05-20	asha@gmail.com	2	2	86	2	Bachelor Of Computer Application	BCA	UG
10 1	Amal Baby	Male	1995-01-20	ab@gmail.com	2	1	98	2	Bachelor Of Computer Application	BCA	UG

Query executed successfully. NTP-LAP-880 (14.0 RTM) NTP-LAP-880\Anjana (55) Sample 00:00:00 10 rows