

SQLQuery2.sql - DESKTOP-BLAC28R.collegeDB2 (DESKTOP-BLAC28R\fatih (32)) - Microsoft SQL Server Management Studio (Administrator)

```
-- 1. All students
SELECT * FROM Student;

-- 2. Full name, enrollment date, status
SELECT CONCAT(Fname, ' ', Lname) AS FullName, EnrollmentDate, Status FROM Student;

-- 3. Course title and credits
SELECT CourseName, Duration AS Credits FROM Course;

-- 4. Full name and GPA Score
SELECT CONCAT(Fname, ' ', Lname) AS FullName, GPA AS [GPA Score] FROM Student;

-- 5. Students with GPA > 3.5
SELECT StudID, CONCAT(Fname, ' ', Lname) AS FullName FROM Student WHERE GPA > 3.5;

-- 6. Students enrolled before 2022
SELECT * FROM Student WHERE EnrollmentDate < '2022-01-01';

-- 7. Students with GPA between 3.0 and 3.5
SELECT * FROM Student WHERE GPA BETWEEN 3.0 AND 3.5;

-- 8. Students ordered by GPA descending
SELECT * FROM Student ORDER BY GPA DESC;

-- 9. Max, Min, Avg GPA
SELECT MAX(GPA) AS MaxGPA, MIN(GPA) AS MinGPA, AVG(GPA) AS AvgGPA FROM Student;

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SELECT * FROM Student WHERE Fname LIKE '%a';

-- 12. Students with NULL advisor
SELECT * FROM Student WHERE Advisor IS NULL;

-- 13. Students enrolled in 2021
SELECT * FROM Student WHERE YEAR(EnrollmentDate) = 2021;
```

100 %

	StudID	Fname	Lname	DOB	HostelID	EnrollmentDate	Status	Advisor	GPA
1	1	Aisha	AlHarmy	2002-05-14	2	2021-08-15	Active	Dr. Ali	3.40
2	2	Saleh	AlSaeed	2001-11-22	4	2020-09-01	Active	Dr. Sae	3.60
3	3	Fatima	AlBalahs	2003-02-09	3	2022-01-10	Active	Dr. Omar	3.20
4	4	Khalid	AlRehail	2000-08-30	5	2019-07-20	Inactive	Dr. Lale	2.80
5	5	Noor	AlAment	2002-12-17	1	2021-05-12	Active	Dr. Noor	3.00

Query executed successfully.

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SELECT * FROM Student WHERE Advisor IS NULL;

-- 13. Students enrolled in 2021
SELECT * FROM Student WHERE YEAR(EnrollmentDate) = 2021;
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100 %

	Fname	EnrollmentDate	Status
1	Aisha AlHarmy	2021-08-15	Active
2	Saleh AlSaeed	2020-09-01	Active
3	Fatima AlBalahs	2022-01-10	Active
4	Khalid AlRehail	2019-07-20	Inactive
5	Noor AlAment	2021-05-12	Active

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100 %

Results Messages

CourseName	Credits
Computer Science	4
Mathematics	3
Physics	4
Chemistry	4
Biology	3

DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fatih ... | collageDB2 | 00:00:00 | 5 rows

SQLQuery2.sql - DESKTOP-BLAC28R.collageDB2 (DESKTOP-BLAC28R\fatih (32)) - Microsoft SQL Server Management Studio (Administrator)

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SELECT * FROM Student WHERE YEAR(EnrollmentDate) = 2021;
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100 %

Results Messages

Fname	GPA Score
Aina Alrahy	3.40
Ali Alrahy	3.00
Fatma Albulay	3.20
Khalid Alrahyd	2.80
Noor Alent	3.00

DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fatih ... | collageDB2 | 00:00:00 | 5 rows

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```

100 %

StudentID	FullName
1	Sam AlSad

Query executed successfully.

DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fatih ... | collegeDB2 | 00:00:00 | 1 rows

SQLQuery2.sql - DESKTOP-BLAC28R.collegeDB2 (DESKTOP-BLAC28R\fatih (32)) - Microsoft SQL Server Management Studio (Administrator)

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100 %

StudentID	Fname	Lname	DOB	HomeroomID	EnrollmentDate	Status	Advisor	GPA
1	Asha	AlShamy	2000-05-14	2	2021-08-15	Active	Dr. Ali	3.40
2	Ali	AlRashid	2001-11-22	4	2020-09-01	Active	Dr. Sami	3.00
3	Khalid	AlRashid	2000-08-30	5	2019-07-20	Inactive	Dr. Lata	2.80
4	Noor	AlAmer	2002-12-17	1	2021-05-12	Active	Dr. Noor	3.00

Query executed successfully.

DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fatih ... | collegeDB2 | 00:00:00 | 4 rows

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27°C Sunny

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100 %

Results Messages

StudID	Fname	Lname	DOB	HostelID	EnrollmentDate	Status	Advisor	GPA
1	Aisha	AlHathmi	2002-05-14	2	2021-09-15	Active	Dr. Ali	3.40
2	Fatima	AlBukhars	2003-02-09	3	2022-01-10	Active	Dr. Omar	3.20
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Results Messages

StudID	Fname	Lname	DOB	HostelID	EnrollmentDate	Status	Advisor	GPA
1	Salem	AlSaber	2003-11-22	4	2020-09-01	Active	Dr. Saleh	3.60
2	Waleed	AlWaleed	2003-05-14	2	2021-09-15	Inactive	Dr. Waleed	3.80
3	Fatima	AlBukhars	2003-02-09	3	2022-01-10	Active	Dr. Omar	3.20
4	Noor	AlAmeri	2002-12-17	1	2021-05-12	Active	Dr. Noor	3.00
5	Khalid	AlRehadi	2000-08-30	5	2019-07-20	Inactive	Dr. Khalid	2.80

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100 %

Results Messages

	MaxGPA	MinGPA	AvgGPA
1	3.60	2.80	3.20000

DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fatih ... | collegeDB2 00:00:00 | 1 rows

SQLQuery2.sql - DESKTOP-BLAC28R.collegeDB2 (DESKTOP-BLAC28R\fatih (32)) - Microsoft SQL Server Management Studio (Administrator)

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100 %

Results Messages

	TotalStudents
1	5

DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fatih ... | collegeDB2 00:00:00 | 1 rows

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1	1	Asha	Alhamy	2002-05-14	2	2021-08-15	Active	Dr. Ali	3.40
2	3	Fatma	AlBalooshi	2003-02-09	3	2022-01-10	Active	Dr. Omar	3.20

Query executed successfully.

DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fatih ... | collageDB2 | 00:00:00 | 2 rows

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DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fatih ... | collageDB2 | 00:00:00 | 0 rows

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SELECT * FROM Student WHERE YEAR(EnrollmentDate) = 2021;

-- DML Queries
-----  

-- 14. Insert new student
INSERT INTO Student (StudID, Fname, Lname, EnrollmentDate, Status, Advisor)
VALUES (300045, 'Fatihya', 'AlFahdi', '2025-01-01', 'Active', 3.6, 'Dr. Advisor');

-- 15. Insert Friend with GPA and Advisor NULL
INSERT INTO Student (StudID, Fname, Lname, EnrollmentDate, Status, GPA, Advisor)
VALUES (300046, 'Noora', 'AlMaskari', '2025-01-01', 'Active', NULL, NULL);

-- 16. Increase your GPA by 0.2
UPDATE Student SET GPA = GPA + 0.2 WHERE StudID = 300045;

-- 17. Set GPA to 2.0 for students below 2.0
UPDATE Student SET GPA = 2.0 WHERE GPA < 2.0;

-- 18. Increase GPA by 0.1 for students enrolled before 2020
UPDATE Student SET GPA = GPA + 0.1 WHERE EnrollmentDate < '2020-01-01';

-- 19. Delete students with status 'Inactive'
DELETE FROM Student WHERE Status = 'Inactive';
```

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UPDATE Student SET GPA = GPA + 0.2 WHERE StudID = 300045;

-- 17. Set GPA to 2.0 for students below 2.0
UPDATE Student SET GPA = 2.0 WHERE GPA < 2.0;

-- 18. Increase GPA by 0.1 for students enrolled before 2020
UPDATE Student SET GPA = GPA + 0.1 WHERE EnrollmentDate < '2020-01-01';

-- 19. Delete students with status 'Inactive'
DELETE FROM Student WHERE Status = 'Inactive';
```

Query executed successfully.

SQLQuery2.sql - DESKTOP-BLAC28R.collageDB2 (DESKTOP-BLAC28R\fatih (32)) - Microsoft SQL Server Management Studio (Administrator)

```

-- 1. Total students
SELECT COUNT(*) AS TotalStudents FROM Student;

-- 11. Students whose names end with 'a'
SELECT * FROM Student WHERE Name LIKE '%a';

-- 12. Students with NULL advisor
SELECT * FROM Student WHERE Advisor IS NULL;

-- 13. Students enrolled in 2021
SELECT * FROM Student WHERE YEAR(EnrollmentDate) = 2021;

-- 14. Insert yourself
INSERT INTO Student (StudentID, Name, EnrollmentDate, Status, GPA, Advisor)
VALUES (30045, 'Fatihya', '2025-01-01', 'Active', 3.6, 'Dr. Advisor');

-- 15. Insert friend with GPA and Advisor NULL
INSERT INTO Student (StudentID, Name, EnrollmentDate, Status, GPA, Advisor)
VALUES (30046, 'Noor', '2025-01-01', 'Active', NULL, NULL);

-- 16. Increase your GPA by 0.2
UPDATE Student SET GPA = GPA + 0.2 WHERE StudentID = 30045;

-- 17. Set GPA to 2.0 for students below 2.0
UPDATE Student SET GPA = 2.0 WHERE GPA < 2.0;

-- 18. Increase GPA by 0.1 for students enrolled before 2020
UPDATE Student SET GPA = GPA + 0.1 WHERE EnrollmentDate < '2020-01-01';

-- 19. Delete students with status 'Inactive'
DELETE FROM Student WHERE Status = 'Inactive';

```

Results Messages

StudentID	Name	LastName	DOB	HostelID	EnrollmentDate	Status	Advisor	GPA
1	Aisha	AlHansy	2002-09-14	2	2021-09-15	Active	Dr. Ali	3.40
2	Salm	AlSed	2001-11-22	4	2020-09-01	Active	Dr. Sara	3.60
3	Fatma	AlBalushi	2003-02-09	3	2022-09-10	Active	Dr. Omar	3.20
4	Khalid	AlRehd	2000-08-30	5	2019-07-20	Inactive	Dr. Lala	2.80
5	Noor	AlAmeri	2002-12-17	1	2021-09-12	Active	Dr. Noor	3.00
6	300045	Fatihya	AlAhdi	NULL	2025-01-01	Active	Dr. Advisor	3.80
7	300046	Noora	AlMaskari	NULL	2025-01-01	Active	NULL	NULL

Query executed successfully.

SQLQuery2.sql - DESKTOP-BLAC28R.collageDB2 (DESKTOP-BLAC28R\fatih (32)) - Microsoft SQL Server Management Studio (Administrator)

```

-- 11. Students whose names end with 'a'
SELECT * FROM Student WHERE Name LIKE '%sa';

-- 12. Students with NULL advisor
SELECT * FROM Student WHERE Advisor IS NULL;

-- 13. Students enrolled in 2021
SELECT * FROM Student WHERE YEAR(EnrollmentDate) = 2021;

-- *****
-- DML Queries
-- *****
-- 14. Insert yourself
INSERT INTO Student (StudentID, Name, EnrollmentDate, Status, GPA, Advisor)
VALUES (300045, 'Fatihya', 'AlFahdi', '2025-01-01', 'Active', 3.6, 'Dr. Advisor');

-- 15. Insert friend with GPA and Advisor NULL
INSERT INTO Student (StudentID, Name, EnrollmentDate, Status, GPA, Advisor)
VALUES (300046, 'Noura', 'AlMaskari', '2025-01-01', 'Active', NULL, NULL);

-- 16. Increase your GPA by 0.2
UPDATE Student SET GPA = GPA + 0.2 WHERE StudentID = 300045;

-- 17. Set GPA to 2.0 for students below 2.0
UPDATE Student SET GPA = 2.0 WHERE GPA < 2.0;

-- 18. Increase GPA by 0.1 for students enrolled before 2020
UPDATE Student SET GPA = GPA + 0.1 WHERE EnrollmentDate < '2020-01-01';

-- 19. Delete students with status 'Inactive'
DELETE FROM Student WHERE Status = 'Inactive';

```

Results

StudentID	Name	LastName	DOB	StudentID	EnrollmentDate	Status	Advisor	GPA
1	Asha	AlHansy	2002-05-14	2	2021-09-15	Active	Dr. Ali	3.40
2	Salm	AlSed	2001-11-22	4	2020-09-01	Active	Dr. Sara	3.60
3	Fatma	AlBalushi	2003-02-09	3	2022-01-10	Active	Dr. Omar	3.20
4	Khalid	AlRehdi	2000-08-30	5	2019-07-20	Inactive	Dr. Lala	2.80
5	Noor	AlAlem	2002-12-17	1	2021-09-12	Active	Dr. Nour	3.00
6	Fatihya	AlFahdi	NULL	NULL	2025-01-01	Active	Dr. Advisor	3.80
7	Noura	AlMaskari	NULL	NULL	2025-01-01	Active	NULL	NULL

Messages

Query executed successfully.

27°C Sunny

SQLQuery2.sql - DESKTOP-BLAC28R.collageDB2 (DESKTOP-BLAC28R\fatih (32)) - Microsoft SQL Server Management Studio (Administrator)

```

-- 10. Total students
SELECT COUNT(*) AS TotalStudents FROM Student;

-- 11. Students whose names end with 'a'
SELECT * FROM Student WHERE Name LIKE '%sa';

-- 12. Students with NULL advisor
SELECT * FROM Student WHERE Advisor IS NULL;

-- 13. Students enrolled in 2021
SELECT * FROM Student WHERE YEAR(EnrollmentDate) = 2021;

-- *****
-- DML Queries
-- *****
-- 14. Insert yourself
INSERT INTO Student (StudentID, Name, EnrollmentDate, Status, GPA, Advisor)
VALUES (300045, 'Fatihya', 'AlFahdi', '2025-01-01', 'Active', 3.6, 'Dr. Advisor');

-- 15. Insert friend with GPA and Advisor NULL
INSERT INTO Student (StudentID, Name, EnrollmentDate, Status, GPA, Advisor)
VALUES (300046, 'Noura', 'AlMaskari', '2025-01-01', 'Active', NULL, NULL);

-- 16. Increase your GPA by 0.2
UPDATE Student SET GPA = GPA + 0.2 WHERE StudentID = 300045;

-- 17. Set GPA to 2.0 for students below 2.0
UPDATE Student SET GPA = 2.0 WHERE GPA < 2.0;

-- 18. Increase GPA by 0.1 for students enrolled before 2020
UPDATE Student SET GPA = GPA + 0.1 WHERE EnrollmentDate < '2020-01-01';

-- 19. Delete students with status 'Inactive'
DELETE FROM Student WHERE Status = 'Inactive';

```

Results

StudentID	Name	LastName	DOB	StudentID	EnrollmentDate	Status	Advisor	GPA
1	Asha	AlHansy	2002-05-14	2	2021-09-15	Active	Dr. Ali	3.40
2	Salm	AlSed	2001-11-22	4	2020-09-01	Active	Dr. Sara	3.60
3	Fatma	AlBalushi	2003-02-09	3	2022-01-10	Active	Dr. Omar	3.20
4	Khalid	AlRehdi	2000-08-30	5	2019-07-20	Inactive	Dr. Lala	2.80
5	Noor	AlAlem	2002-12-17	1	2021-09-12	Active	Dr. Nour	3.00
6	Fatihya	AlFahdi	NULL	NULL	2025-01-01	Active	Dr. Advisor	3.80
7	Noura	AlMaskari	NULL	NULL	2025-01-01	Active	NULL	NULL

Messages

Query executed successfully.

27°C Sunny