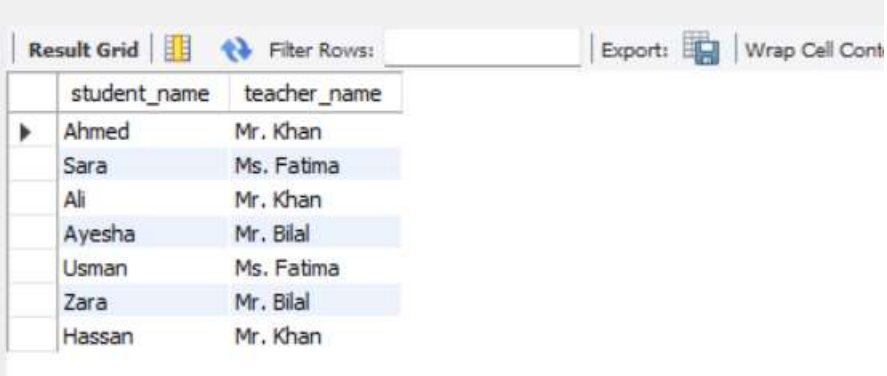
MYSQL TASK OUTPUTS

8. Show student names with their teacher's name for each class.

```
SELECT s.name AS student_name, t.name AS teacher_name
FROM Students s
JOIN Classes c ON s.class_id = c.class_id
JOIN Teachers t ON c.teacher_id = t.teacher_id;
```

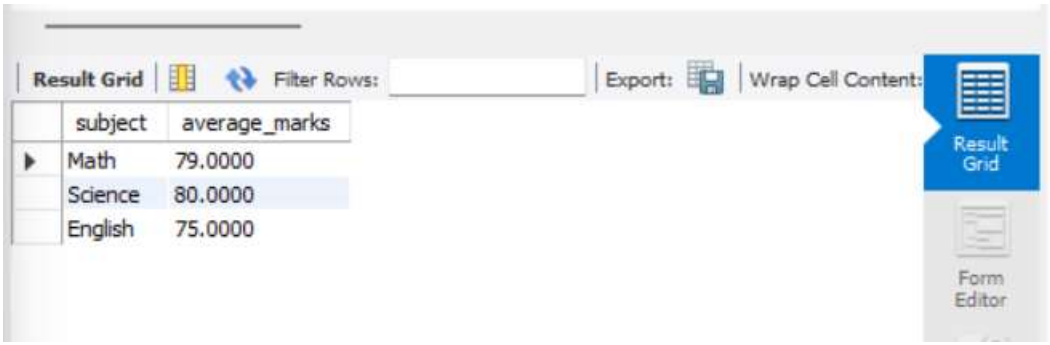


Result Grid | Filter Rows: | Export: | Wrap Cell Cont

student_name	teacher_name
Ahmed	Mr. Khan
Sara	Ms. Fatima
Ali	Mr. Khan
Ayesha	Mr. Bilal
Usman	Ms. Fatima
Zara	Mr. Bilal
Hassan	Mr. Khan

9. Find the average marks for each subject.

```
SELECT subject, AVG(marks) AS average_marks
FROM Marks
GROUP BY subject;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

subject	average_marks
Math	79.0000
Science	80.0000
English	75.0000

Result Grid

Form Editor

12. List names of students who scored more than the average marks.

```
SELECT s.name, m.marks
FROM Students s
JOIN Marks m ON s.student_id = m.student_id
WHERE m.marks > (
```

```
    SELECT AVG(marks) FROM Marks
);
```

name	marks
Ahmed	88
Ali	90
Usman	95
Zara	85

17. Get names of students who have not received marks in "English".

```
SELECT name
FROM Students
WHERE student_id NOT IN (
    SELECT student_id FROM Marks WHERE subject = 'English'
);
```

name
Ahmed
Sara
Ali
Usman
Hassan
Ali

18. Display each class name with the total number of male and female students.

```
SELECT c.class_name,
       SUM(CASE WHEN s.gender = 'Male' THEN 1 ELSE 0 END) AS male_students,
       SUM(CASE WHEN s.gender = 'Female' THEN 1 ELSE 0 END) AS female_students
FROM Classes c
JOIN Students s ON c.class_id = s.class_id
GROUP BY c.class_name;
```

```
118     JOIN Marks m ON s.student_id = m.student_id
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

class_name	male_students	female_students
Class 10	3	0
Class 9	1	1
Class 8	1	2

19. Get a list of students with total marks across all subjects, ordered from highest to lowest.

```
SELECT s.name, SUM(m.marks) AS total_marks
FROM Students s
JOIN Marks m ON s.student_id = m.student_id
GROUP BY s.name
ORDER BY total_marks DESC;
```

Result Grid | Filter Rows:

name	total_marks
Ahmed	158
Ayesha	143
Sara	142
Usman	95
Ali	90
Zara	85
Hassan	72