SQL FUNCTION-

QUESTION-1

ANSWER-1

```
SELECT
    student_id,
    name,
    score,
    RANK() OVER (ORDER BY score DESC) AS score_rank
FROM Student_Performance;
```

QUESTION-2

ANSWER-2

```
SELECT
    name,
    score,
    LAG(score) OVER (ORDER BY score DESC) AS previous_score
FROM Student_Performance;
```

QUESTION-3

ANSWER-3

```
SELECT
    UPPER(name) AS student_name,
    MONTHNAME(join_date) AS join_month
FROM Student_Performance;
```

QUESTION-4

ANSWER-4

```
SELECT
  name,
  attendance,
  LEAD(attendance) OVER (ORDER BY attendance) AS next_student_attendance
FROM Student_Performance;
```

QUESTION-5

ANSWER-5

```
SELECT
  name,
  score,
  NTILE(4) OVER (ORDER BY score DESC) AS performance_group
FROM Student_Performance;
```

QUESTION-6

ANSWER-6

```
SELECT
  course,
  name,
  attendance,
  ROW_NUMBER() OVER (
    PARTITION BY course
    ORDER BY attendance DESC
  ) AS row_num
FROM Student_Performance;
```

QUESTION-7

ANSWER-7

```
                    SELECT
    name,
    join_date,
    DATEDIFF('2025-01-01', join_date) AS days_enrolled
FROM Student_Performance;
```

QUESTION-8

ANSWER-8

```
            SELECT
    name,
    DATE_FORMAT(join_date, '%M %Y') AS formatted_join_date
FROM Student_Performance;
```

QUESTION-9

ANSWER-9

```
             SELECT
    name,
    REPLACE(city, 'Mumbai', 'MUM') AS city_display
FROM Student_Performance;
```

QUESTION-10

ANSWER-10

```
            SELECT DISTINCT
    course,
    FIRST_VALUE(score) OVER (
        PARTITION BY course
        ORDER BY score DESC
    ) AS highest_score
```

```
FROM Student_Performance;
```