Virat Kohli's 10th Marksheet

An SQL Analysis
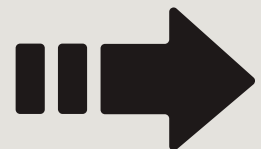
in NITISH KUMAR

Tables Used :

1. STUDENT
2. STUDENT_MARK

1) WHICH SUBJECT DID VIRAT SCORE THE HIGHEST AND LOWEST MARKS IN?

```sql
(
  SELECT 'Highest' AS performance, subject_name, total_marks
  FROM student_marks
  WHERE roll_no = '6145109'
  ORDER BY total_marks DESC
  LIMIT 1
)
UNION
(
  SELECT 'Lowest' AS performance, subject_name, total_marks
  FROM student_marks
  WHERE roll_no = '6145109'
  ORDER BY total_marks ASC
  LIMIT 1
);
```

OUTPUT

Results

Query #1   Execution time: 0.58ms

performance	subject_name	total_marks
Highest	English Comm.	83
Lowest	Mathematics	51

2. How many subjects did Virat score a grade of 'A1' or 'A2'?

```
Virat Kohli's 10th-grade marksheet SQL

SELECT CONCAT(subject_name, ' - ', grade) AS top_subjects
FROM student_marks
WHERE roll_no = '6145109' AND grade IN ('A1', 'A2');
```
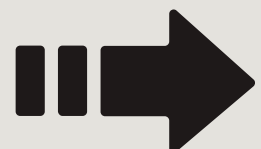
OUTPUT

Query #2 **Execution time: 0.26ms**

top_subjects
English Comm. – A1
Social Science – A2

3.WHAT IS VIRAT'S AVERAGE MARK ACROSS ALL SUBJECTS?

```sql
SELECT AVG(total_marks) AS average_marks
FROM student_marks
WHERE roll_no = '6145109';
```
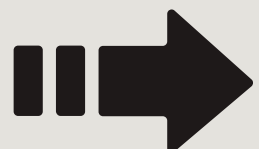
OUTPUT

Query #3   **Execution time: 0.17ms**

average_marks

69.8333

4.IN HOW MANY SUBJECTS DID HE SCORE BELOW 60 (CONSIDERED A RED ZONE FOR MANY BOARDS)?

Virat Kohli's 10th-grade marksheet SQL

```sql
SELECT COUNT(*) AS below_sixty_count
FROM student_marks
WHERE roll_no = '6145109' AND total_marks < 60;
```

OUTPUT

below_sixty_count
2

Query #4 — Execution time: 0.15ms

5. CHECK IF VIRAT PASSED ALL SUBJECTS (ASSUMING PASSING MARKS IS 33) ?

```sql
Virat Kohli's 10th-grade marksheet SQL

SELECT
  CASE
    WHEN MIN(total_marks) >= 33 THEN 'Passed all subjects'
    ELSE 'Failed in one or more subjects'
  END AS result
FROM student_marks
WHERE roll_no = '6145109';
```

OUTPUT

Query #5 Execution time: 0.16ms

result

Passed all subjects

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