

Virat Kohli's 10th Marksheet

An SQL Analysis

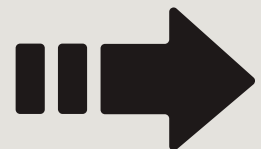


Tables Used :

क्रमांक S.No. 2004	578540	केन्द्रीय माध्यमिक शिक्षा बोर्ड CENTRAL BOARD OF SECONDARY EDUCATION अंक विवरणिका MARKS STATEMENT सेकण्डरी स्कूल परीक्षा, 2004 ALL INDIA SECONDARY SCHOOL EXAMINATION, 2004		अनुक्रमांक Roll No. 6145109		
नाम Name	VIRAT KOHLI					
माता का नाम Mother's Name	SAROJ KOHLI					
पिता का नाम Father's Name	P N KOHLI					
जन्म तिथि Date of Birth	5TH NOVEMBER NINETEEN HUNDRED EIGHTY EIGHT					
विद्यालय School	01768 SAVIOUR CONVENT SEC SCH A-2 PASCHIM VIHAR ND					
विषयकोड SUB. CODE	विषय SUBJECT	प्राप्तांक MARKS OBTAINED				स्थितीय ग्रेड POSITIONAL GRADE
		लि. TH	प्रे. PR	योग TOTAL	योग शब्दों में TOTAL IN WORDS	
101	ENGLISH COMM.	083	XXX	083	EIGHTY THREE	A1
085	HINDI COURSE-B	075	XXX	075	SEVENTY FIVE	B1
041	MATHEMATICS	051	XXX	051	FIFTY ONE	C2
086	SCIENCE & TECH.	032	023	055	FIFTY FIVE	C1
087	SOCIAL SCIENCE	081	XXX	081	EIGHTY ONE	A2
165	INTRODUCTORY I T	016	058	074	SEVENTY FOUR	C2
AB : विषय में अनुपस्थित Absent in the Subject		परिणाम Result		PASS		
दिल्ली Delhi	दिनांक Dated		28-05-2004		परीक्षा निर्वहक Controller of Examinations	

1. STUDENT

2. STUDENT_MARK



NITISH KUMAR

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

Virat Kohli's 10th-grade marksheet 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
);
```



NITISH KUMAR

OUTPUT

Results

Query #1 **Execution time: 0.58ms**

performance	subject_name	total_marks
Highest	English Comm.	83
Lowest	Mathematics	51



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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');
```



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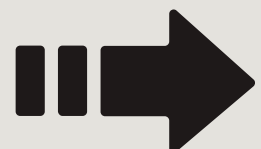
OUTPUT

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

top_subjects

English Comm. – A1

Social Science – A2



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

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

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



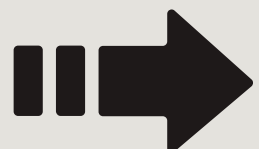
NITISH KUMAR

OUTPUT

Query #3

Execution time: 0.17ms

average_marks
69.8333



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

Virat Kohli's 10th-grade marksheet SQL

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



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OUTPUT

Query #4

Execution time: 0.15ms

below_sixty_count
2



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

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';
```



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OUTPUT

Query #5

Execution time: 0.16ms

result

Passed all subjects



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 Digits n Data