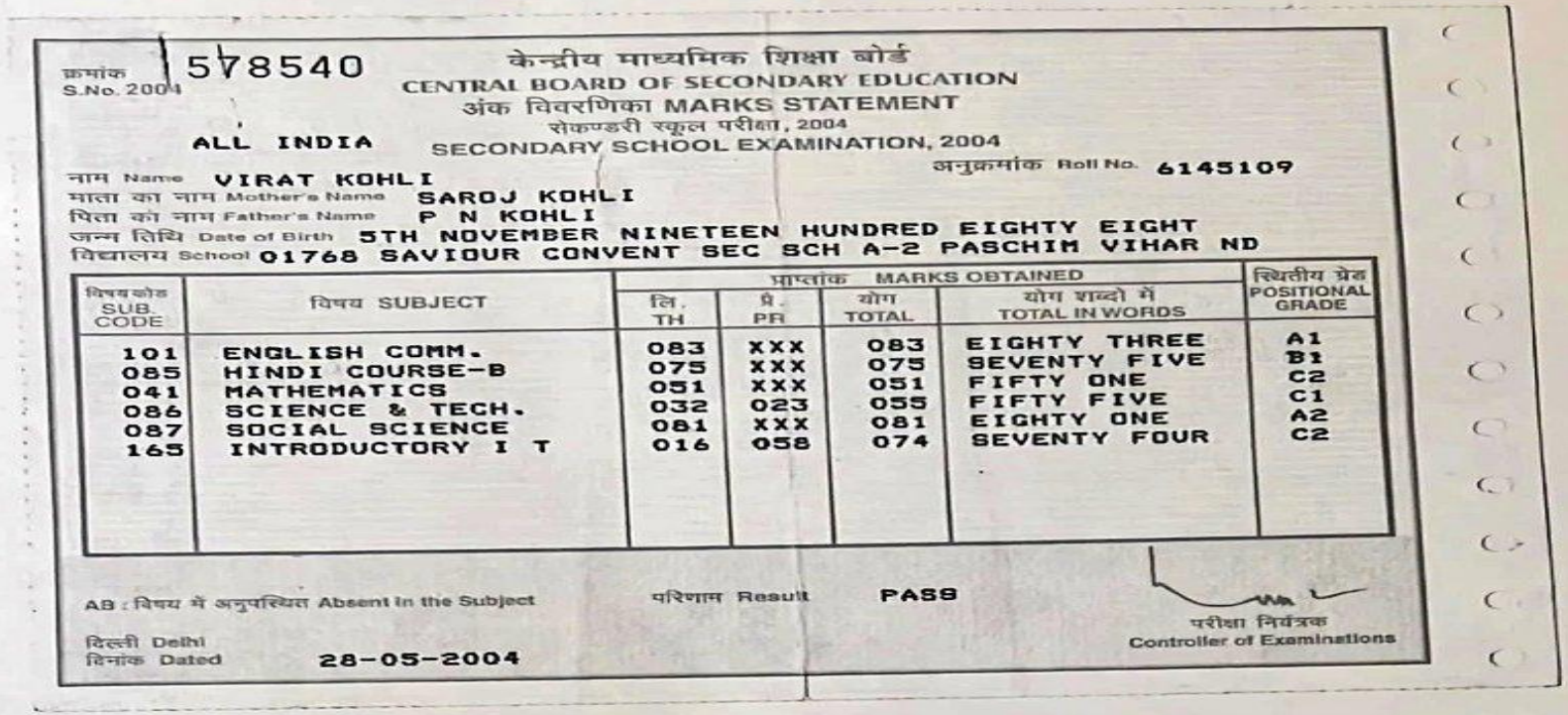
Virat Kohli's 10th Marksheet

An SQL Analysis

Tables Used: 1.STUDENT 2.STUDENT_MARK



क्रमांक S.No. 2004 578540

केन्द्रीय माध्यमिक शिक्षा बोर्ड
CENTRAL BOARD OF SECONDARY EDUCATION
अंक विवरणिका MARKS STATEMENT
सेकण्डरी स्कूल परीक्षा, 2004
SECONDARY SCHOOL EXAMINATION, 2004

ALL INDIA

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

विषय कोड SUB. CODE	विषय SUBJECT	प्राप्तांक MARKS OBTAINED				क्षितीय ग्रेड POSITIONAL GRADE
		लि. TH	प्रै. PR	योग TOTAL	योग शब्दो 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

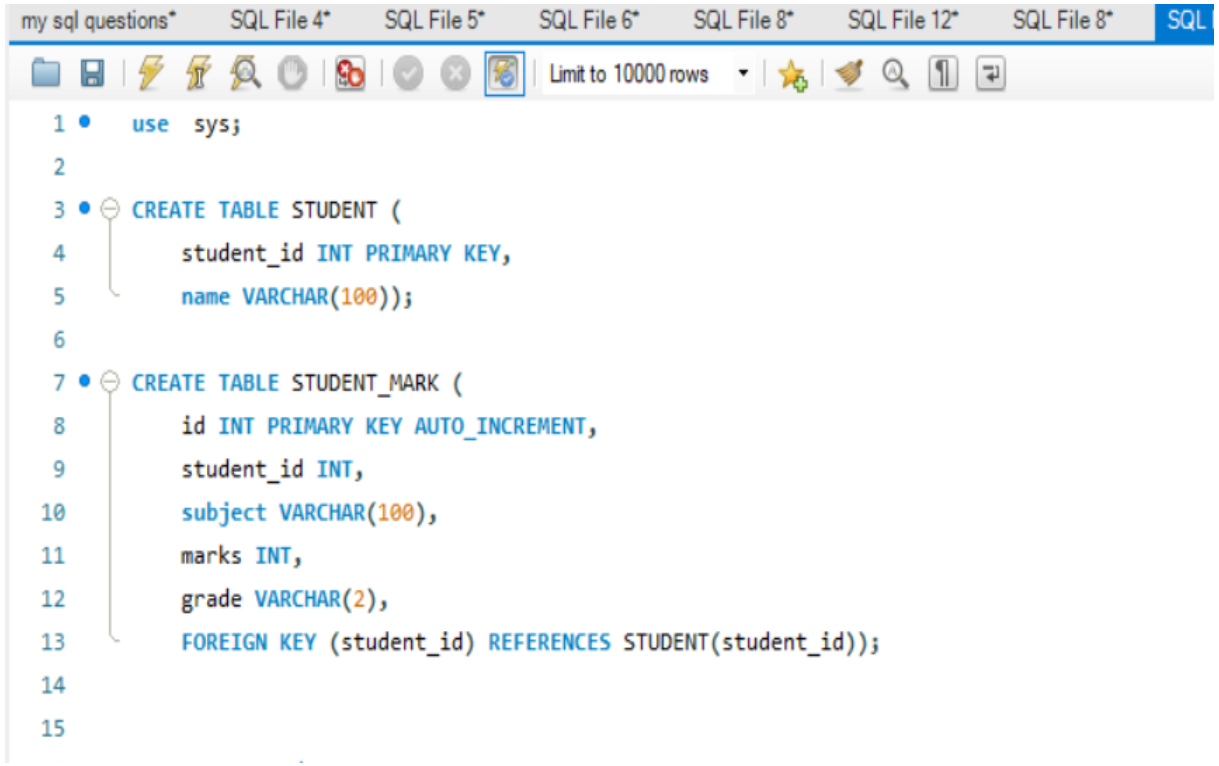
AB : विषय में अनुपस्थित Absent in the Subject

परिणाम Result PASS

दिल्ली Delhi
दिनांक Dated 28-05-2004

परीक्षा नियंत्रक
Controller of Examinations

First we create table and insert values in tables




```sql
-- Insert student
INSERT INTO STUDENT (student_id, name)
VALUES (1, 'Virat Kohli');

-- Insert marks and grades for subjects
INSERT INTO STUDENT_MARK (student_id, subject, marks, grade) VALUES
(1, 'Mathematics', 88, 'A1'),
(1, 'English', 76, 'A2'),
(1, 'Physics', 92, 'A1'),
(1, 'Chemistry', 65, 'B1'),
(1, 'Biology', 58, 'C1'),
(1, 'History', 45, 'C2'),
(1, 'Geography', 34, 'D'),
(1, 'Economics', 90, 'A1');
```

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

```sql
--- 1) WHICH SUBJECT DID VIRAT SCORE THEHIGHEST AND LOWEST MARKS IN?

(SELECT 'highest' AS performance, subject_name, total_marks
  FROM student_mark
  WHERE rollno = 18
  ORDER BY total_marks DESC
  LIMIT 1)
UNION
(SELECT 'lowest' AS performance, subject_name, total_marks
  FROM student_mark
  WHERE rollno = 18
  ORDER BY total_marks ASC
  LIMIT 1);
```

Result Grid | Filter Rows:

performance	subject_name	total_marks
highest	Physics	92
lowest	Geography	34

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

```
46      --- 2. How many subjects did Virat score a grade of 'A1' or 'A2'?
47
48      select concat(subject_name, '-',grade) as top_subjects
49      from student_mark
50      where rollno = '18' and grade in ('a1','a2');
51
52
53
```

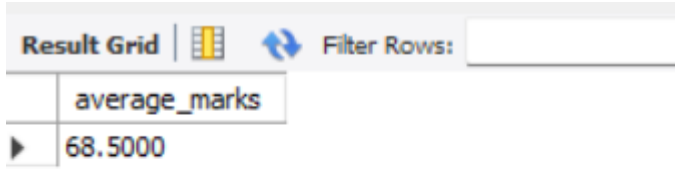
Result Grid | Filter Rows: | Export:

top_subjects
Mathematics-A1
English-A2
Physics-A1
Economics-A1

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

```
---- .WHAT IS VIRAT'S AVERAGE MARK ACROSS ALL SUBJECTS

select avg(total_marks) as average_marks
from student_mark
where rollno = '18';
```



4.IN HOW MANY SUBJECTS DID HE SCOREBELOW 60 (CONSIDERED A RED ZONEFORMANY BOARDS)?

my sql questions* | SQL File 4* | SQL File 5* | SQL File 6* | SQL File 8* | SQL File 12* | SQL File 8* | SQL File 9*

Limit to 10000 rows

```
58    -- 4.IN HOW MANY SUBJECTS DID HE SCOREBELOW 60 (CONSIDERED A RED ZONEFORMANY BOARDS)?
59
60    select count(*) as below_sixty_count
61    from student_mark
62    where rollno = '18' and total_marks < 60;
63
64
```

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

below_sixty_count
3

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

my sql questions* SQL File 4* SQL File 5* SQL File 6* SQL File 8* SQL File 12* SQL Fi

Limit to 10000 rows

```
64      --- 5. CHECK IF VIRAT PASSED ALL SUBJECTS(ASSUMING PASSING MARKS IS 33) ?
65
66  •   select case
67      when min(total_marks) >= 33 then 'passed all subjects'
68      else 'failed in one or more subjects'
69      end as result
70      from student_mark
71      where rollno ='18';
```

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

result
passed all subjects

FOUND THIS HELPFUL?

SHARE TO HELP OTHERS

SAVE FOR LATER

LIKE & FOLLOW

FOR MORE DATA RELATED CONTENT

Sonu Bhartia