

Practice Qs

Qs: Create a table to store student info (roll_no, name, city, marks).

Insert following data in the table :

110, "adam", "Delhi", 76

108, "bob", "Mumbai", 65

124, "casey", "Pune", 94

112, "duke", "Pune", 80

```
1 • CREATE TABLE student (  
2     rollno INT PRIMARY KEY,  
3     name VARCHAR(30),  
4     city VARCHAR(30),  
5     marks INT  
6 );
```

```
8 • INSERT INTO student  
9 (rollno, name, city, marks)  
10 VALUES  
11 (110, "adam", "Delhi", 76),  
12 (108, "bob", "Mumbai", 65),  
13 (124, "casey", "Pune", 94),  
14 (112, "duke", "Pune", 80);
```

14 (112, 'DUKE', 'PUNE', 80),

15

16 • **SELECT * FROM student;**

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Result Grid



Filter Rows:



Search

Edit:



rollno	name	city	marks
108	bob	Mumbai	65
110	adam	Delhi	76
112	duke	Pune	80
124	casey	Pune	94
NULL	NULL	NULL	NULL

Practice Qs

- Select all students who scored 75+
- Find names of all cities where students are from
- Find the maximum marks of students from each city
- Find the average of the class
- Add a new column grade, assign grade such that :
 - marks > 80 , grade = O
 - marks 70-80, grade = A
 - marks 60-70, grade = B

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8 • **SELECT * FROM student**
9 **WHERE marks > 75;**
0

rollno	name	city	marks
110	adam	Delhi	76
112	duke	Pune	80
124	casey	Pune	94
NULL	NULL	NULL	NULL

```
SELECT DISTINCT city  
FROM student;
```

16 • **SELECT * FROM** student;

17

18 • **SELECT DISTINCT** city
19 **FROM** student;

20

21 • **SELECT** city
22 **FROM** student

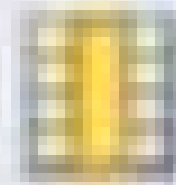
23 **GROUP BY** city;

24

25

26

Result Grid



F

city

Mumbai

Delhi

Pune



```
SELECT city, max(marks)
FROM student
GROUP BY city;
```

city	max(marks)	
Mumbai	65	
Delhi	76	
Pune	94	

```
SELECT avg(marks)  
FROM student;
```

Result of



File

avg(marks)

78.7500

```
ALTER TABLE student  
ADD COLUMN grade VARCHAR(2);
```

- **UPDATE** student
SET grade = "0"
WHERE marks >= 80; |

- ```
UPDATE student
SET grade = "O"
WHERE marks >= 80;
```

- ```
UPDATE student  
SET grade = "A"  
WHERE marks >= 70 AND marks < 80;
```

- ```
UPDATE student
SET grade = "B"
WHERE marks >= 60 AND marks < 70;
```



| rollno | name  | city   | marks | grade |
|--------|-------|--------|-------|-------|
| 108    | bob   | Mumbai | 65    | B     |
| 110    | adam  | Delhi  | 76    | A     |
| 112    | duke  | Pune   | 80    | O     |
| 124    | casey | Pune   | 94    | O     |
| NULL   | NULL  | NULL   | NULL  | NULL  |
|        |       |        |       |       |
|        |       |        |       |       |