

```
28 --display all records
29 select * from school_records;
```

Data Output Messages Notifications

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	serial_number [PK] integer	roll_number character varying (20)	name character varying (50)	father_name character varying (50)	admission_year integer	category character varying (20)	gender character (1)	grade character va
1	11223001	R1000	Kamal	Prakash	2006	BC	F	C
2	11223002	R1001	Vikas	Rajesh	2008	BC	M	A
3	11223003	R1002	Suman	Rajesh	2006	GNRL	M	D
4	11223004	R1003	Anjali	Naresh	2003	BC	F	C
5	11223005	R1004	Mohit	Dinesh	2001	SC	F	A
6	11223006	R1005	Kamal	Prakash	2008	GNRL	M	A
7	11223007	R1006	Suman	Lokesh	2002	BC	F	A
8	11223008	R1007	Pooja	Mukesh	2004	SC	F	D
9	11223009	R1008	Ravi	Prakash	2007	SC	M	C
10	11223010	R1009	Suman	Prakash	2006	GNRL	M	D
11	11223011	R1010	Anjali	Ramesh	2007	BC	M	B

30 -- students with >70%

```
31 select Percentage,Name from school_records
32 where Percentage>70 limit 6;
```








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	percentage double precision	name character varying (50)
1	74.6	Deepak
2	80.2	Vikas
3	80.4	Anjali
4	71	Neha
5	71.8	Ravi
6	72.4	Neha

```
33 --Count students per city
34 select City ,count(*) as total_students from school_records
35 group by City;
```

Data Output Messages Notifications

         SQL Show

	city character varying (50) 	total_students bigint 
1	Gurgaon	68
2	Ambala	92
3	Kurukshetra	78
4	Jhajjar	81
5	Hisar	94
6	Panipat	74
7	Sonipat	81
8	Rohtak	90
9	Karnal	60
10	Faridabad	96

```
36  --Average marks per subject
37  select avg(hindi_marks),
38         avg(english_marks) as english,
39         avg(science_marks) as science,
40         avg(maths_marks) as maths,
41         avg(drawing_marks) as drawing
42  from school_records;
```

Data Output Messages Notifications

```
--Top 5 students by percentage
select name,father_name,percentage |from school_records order by Percentage desc limit 5;
```

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select name,father_name,percentage |from school_records order by Percentage desc limit 5;
```

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Output

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name character varying (50)	father_name character varying (50)	percentage double precision
Pooja	Suresh	83.2
Anjali	Mukesh	81.6
Anjali	Prakash	80.6
Anjali	Lokesh	80.4
Vikas	Rajesh	80.2

```
47 --Students by category
48 select Category, count(*) from school_records group by Category;
```

Data Output Messages Notifications

         SQL

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	category character varying (20) 	count bigint 
1	SC	197
2	OBC	210
3	GNRL	213
4	BC	194

```
49 --Average percentage by standard
50 select Standard,avg(Percentage) from school_records group by Standard;
51
```

Data Output Messages Notifications



Showing rows: 1 to 6 Page

	standard character varying (10)	avg double precision
1	7th	51.28027210884355
2	9th	49.59090909090907
3	11th	50.884057971014485
4	8th	50.49322033898307
5	12th	46.379310344827566
6	6th	49.93880597014927

← Successfull query. Total 6 rows

```
51
52  --Male vs Female count
53  select Gender,count(*) from school_records group by Gender;
```











Data Output Messages Notifications

         SQL Showing r

	gender character (1) 	count bigint 
1	M	390
2	F	424


```
54  --Students failed in English (<33)
55  select name,english_marks from school_records where english_marks <33 limit 5;
```

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         SQL Showing rows: 1 to 5  Page N

	name character varying (50) 	english_marks integer 
1	Kamal	19
2	Vikas	0
3	Anjali	12
4	Ravi	5
5	Anjali	2

```

56  --City-wise topper
57  SELECT DISTINCT ON (city) city, name, percentage
58  FROM school_records
59  ORDER BY city, percentage DESC;

```

Data Output Messages Notifications



Showing rows

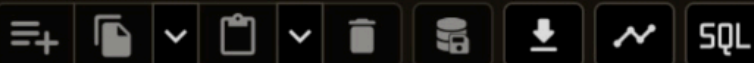
	city character varying (50) 🔒	name character varying (50) 🔒	percentage double precision 🔒
1	Ambala	Neha	79
2	Faridabad	Anjali	80.6
3	Gurgaon	Mohit	71.4
4	Hisar	Ravi	73
5	Jhajjar	Vikas	80.2
6	Karnal	Anjali	80.4
7	Kurukshetra	Aman	74.6
8	Panipat	Aman	78.2
9	Rohtak	Pooja	83.2
10	Sonipat	Neha	74.2

```

60  --Find highest score per category
61  select name,category,percentage from school_records
62  where (category,percentage)in(select category,max(percentage)
63  from school_records group by category);

```

Data Output Messages Notifications



Showing

	name character varying (50) 🔒	category character varying (20) 🔒	percentage double precision 🔒
1	Vikas	SC	80.2
2	Anjali	GNRL	80.4
3	Pooja	OBC	83.2
4	Anjali	BC	80.6

```

64  --find students scoring above avg of thair standard
65  select name,standard,percentage from school_records as s
66  where percentage>(select avg(percentage)
67  from school_records where standard=s.standard )limit 5;

```

Data Output Messages Notifications

	name character varying (50) 🔒	standard character varying (10) 🔒	percentage double precision 🔒	
1	Vikas	11th	51	
2	Anjali	12th	52.2	
3	Kamal	8th	69.8	
4	Suman	9th	64.4	
5	Suman	7th	62	