Students Database
Pan India

Create database school

Student Database

To show databases ⟶ Show databases;
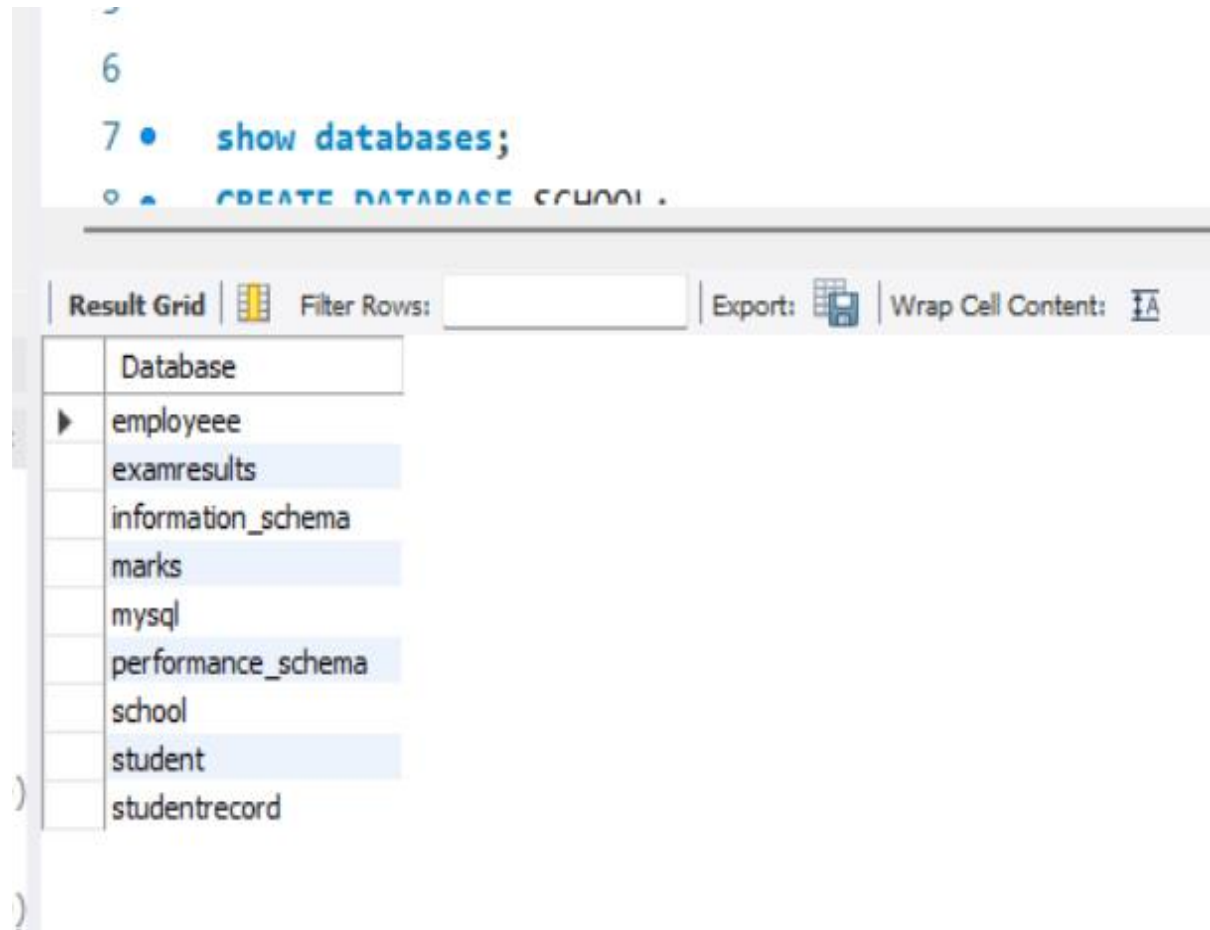
Student Database Management System

Student Info

Student ID:	11
Firstname:	Neymar
Surname:	Junior
Date of Birth:	24/02/1992
Age:	28
Gender:	male
Address:	Paris
Mobile:	9001171010

Student Details

1 11 saswat sarangi 02/05/1999 20 male odisha 90

3 13 Lakshya Pahuja 07/09/2000 19 male Gurgaon

5 14 pari palsania 09/07/2000 19 male jaipur 9898

6 12 swagatika das 01/06/1999 20 female odisha 9

7 23 rahul dravid 06/02/1972 48 male bangalore 9

8 10 Lionel Messi 24/06/1987 32 male barcelona 9

9 07 Cristiano Ronaldo 24/02/1985 35 male Turin

10 11 Neymar Junior 24/02/1992 28 male Paris 90

Add New	Display	Clear	Delete	Search	Update	Exit

Database   ------------------------- school
Tables   ------------------------- student details, student record

Student details contains student _ id, first _ name, surname, date of birth, Age, gender, address, mobile.

Student record contains student _ id, first _ name, surname, course code, Maths, English, biology, chemistry.

STUDENT DETAILS

Student details table

```sql
4  •  ⊖  CREATE TABLE STUDENTDETAILS(
5         STUDENT_ID INT,
6         FIRST_NAME VARCHAR(45),
7         SURNAME VARCHAR(30),
8         DATEOFBIRTH INT NOT NULL,
9         AGE INT,
10        GENDER VARCHAR(30),
11        ADDRESS VARCHAR(45) NOT NULL,
12        MOBILENUMBER  VARCHAR(45));
```

Inserting the data

```sql
14  •  INSERT INTO STUDENTDETAILS(STUDENT_ID,FIRST_NAME,SURNAME,DATEOFBIRTH,AGE,GENDER,ADDRESS,MOBILENUMBER)
15     VALUES
16     (11,'NEYMAR','JUNIOR',24-02-1992,28,'MALE','PARIS',9001171010),
17     (12,'POOJITHA','SEGU',20-04-2011,13,'FEMALE','KURNOOL',9493904771),
18     (13,'NAVYA','BACHU',12-04-2009,15,'FEMALE','NANDYAL',7989164717),
19     (14,'GANESH','JAYAVARAM',07-04-2002,22,'MALE','KADAPA',7680063166);
20
```

To display student details

To view student details ⟶ **Select * from student details;**

Student Info

Student ID:	11
Firstname:	Neymar
Surname:	Junior
Date of Birth:	24/02/1992
Age:	28
Gender:	male
Address:	Paris
Mobile:	9001171010

```
21 •    SELECT * FROM STUDENTDETAILS;
```

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

STUDENT_ID	FIRST_NAME	SURNAME	DATEOFBIRTH	AGE	GENDER	ADDRESS	MOBILENUMBER
11	NEYMAR	JUNIOR	-1970	28	MALE	PARIS	9001171010
12	POOJITHA	SEGU	-1995	13	FEMALE	KURNOOL	9493904771
13	NAVYA	BACHU	-2001	15	FEMALE	NANDYAL	7989164717
14	GANESH	JAYAVARAM	-1999	22	MALE	KADAPA	7680063166

Student Record   **Transcript**

Student_ID: 45633   Maths: 76
Firstname: Jackson   English: 89
Surname: Thomas   Biology: 98
Course Code: C98234   Computing: 89
                          Chemistry: 90
Total Score: 725   Physics: 95
Average: 91   Add Maths: 93
Ranking: 1st   Business: 95

```
Student Result Recording Systems
================================
Student ID:              45633
Maths:                   76
English:                 89
Biology:                 98
Computing:               89
Chemistry:               90
Physics:                 95
Add Maths:               93
Business:                95
================================
Total Score:             725
Average:                 91
Ranking:                 1st
```

StudentID	CourseCode	Maths	English	Biology	Computing	Chemistry	Physics	AddMaths	Business	TotalScore	Average	Ranking
ST15478	C98123	98	98	96	96	96	95	94	89	764	95.5	1st
ST0984	C98567	54	76	78	65	98	54	97	90	567	57	2.2
SW343454	C98567	65	76	44	89	43	54	87	56	45	56	2.2
SS4355	C98123	87	78	44	74	57	88	76	72	576	72	2ii
SS4355	C98123	87	78	44	74	57	88	76	72	576	72	2ii
DE5467	C98234	76	65	76	45	43	65	67	56	493	62	3rd

Student Result | **Transcript** | **Print** | **Delete** | **Reset** | **Exit**

Student records

Student marks table

```
27
28    create table studentrecordmarks(
29        student_id int,
30        firstname varchar(45),
31        surname varchar(45),
32        coursecode varchar(30),
33        maths int,
34        english int,
35        biology int,
36        chemistry int);
37
```

Inserting the data

```
38
39    insert into studentrecordmarks(student_id,firstname,surname,coursecode,maths,english,biology,chemistry)
40    values
41    (45633,'jackson','thomas','c98234',97,95,93,91),
42    (45456,'siidu','raja','c98123',95,90,98,91),
43    (45369,'siddartha','raja','c98234',89,80,86,85);
44    select * from studentrecordmarks;
45
```

To display student marks

To view student record marks ⟶ **Select * from student record marks;**

To add new column ⟶ Alter table student details add email varchar(50);

```
24 •    alter table studentdetails add email varchar(50);
25
26
27
28
```

	STUDENT_ID	FIRST_NAME	SURNAME	DATEOFBIRTH	AGE	GENDER	ADDRESS	MOBILENUMBER	email
▶	11	NEYMAR	JUNIOR	-1970	28	MALE	PARIS	9001171010	NULL
	12	POOJITHA	SEGU	-1995	13	FEMALE	KURNOOL	9493904771	NULL
	13	NAVYA	BACHU	-2001	15	FEMALE	NANDYAL	7989164717	NULL
	14	GANESH	JAYAVARAM	-1999	22	MALE	KADAPA	7680063166	NULL

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

To drop column —————————→ Alter table student details drop date of birth;

```
25  •    alter table studentdetails drop dateofbirth;
26
27
28
```

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

STUDENT_ID	FIRST_NAME	SURNAME	AGE	GENDER	ADDRESS	MOBILENUMBER	email
11	NEYMAR	JUNIOR	28	MALE	PARIS	9001171010	NULL
12	POOJITHA	SEGU	13	FEMALE	KURNOOL	9493904771	NULL
13	NAVYA	BACHU	15	FEMALE	NANDYAL	7989164717	NULL
14	GANESH	JAYAVARAM	22	MALE	KADAPA	7680063166	NULL

To rename column name

Alter table studentdetails1 rename column surname to last_name

```
26 •    alter table studentdetails1 rename column surname to last_name;
27
28
```

STUDENT_ID	FIRST_NAME	last_name	DATEOFBIRTH	AGE	GENDER	ADDRESS	MOBILENUMBER
11	NEYMAR	JUNIOR	-1970	28	MALE	PARIS	9001171010
12	POOJITHA	SEGU	-1995	13	FEMALE	KURNOOL	9493904771
13	NAVYA	BACHU	-2001	15	FEMALE	NANDYAL	7989164717
14	GANESH	JAYAVARAM	-1999	22	MALE	KADAPA	7680063166

To modify data type

Alter table student details modify first _ name char(30);

Table:
studentdetails1

Columns:
STUDENT_ID	int
FIRST_NAME	char(30)
last_name	varchar(30)
DATEOFBIRTH	int
AGE	int
GENDER	varchar(30)
ADDRESS	varchar(45)
MOBILENUMBER	varchar(45)

```
27 •    ALTER TABLE STUDENTDETAILS1 MODIFY FIRST_NAME CHAR(30);
28
29
30
31
32 •
```

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

STUDENT_ID	FIRST_NAME	last_name	DATEOFBIRTH	AGE	GENDER	ADDRESS	MOBILENUMBER
11	NEYMAR	JUNIOR	-1970	28	MALE	PARIS	9001171010
12	POOJITHA	SEGU	-1995	13	FEMALE	KURNOOL	9493904771
13	NAVYA	BACHU	-2001	15	FEMALE	NANDYAL	7989164717
14	GANESH	JAYAVARAM	-1999	22	MALE	KADAPA	7680063166

To delete a total row →

Delete from studentdetails1 where student _ id=13;

- delete from studentdetails1 where student_id=13;

	Filter Rows:		Export:	Wrap Cell Content:		

STUDENT_ID	FIRST_NAME	last_name	DATEOFBIRTH	AGE	GENDER	ADDRESS	MOBILENUMBER
11	NEYMAR	JUNIOR	-1970	28	MALE	PARIS	9001171010
12	POOJITHA	SEGU	-1995	13	FEMALE	KURNOOL	9493904771
14	GANESH	JAYAVARAM	-1999	22	MALE	KADAPA	7680063166

Using where clause →

Select student _ id, first _ name from stuidentdetails1 where gender ='male' and age>20;

```
36 •   select student_id,first_name from studentdetails1 where gender='male' and age>20;
27
```

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

student_id	first_name
11	NEYMAR
14	GANESH

Using order by $\longrightarrow$

Select * from studentdetials1 order by student _ id desc;

```
37 •    select * from studentdetails1 order by student_id desc  ;
```

STUDENT_ID	FIRST_NAME	last_name	DATEOFBIRTH	AGE	GENDER	ADDRESS	MOBILENUMBER
14	GANESH	JAYAVARAM	-1999	22	MALE	KADAPA	7680063166
12	POOJITHA	SEGU	-1995	13	FEMALE	KURNOOL	9493904771
11	NEYMAR	JUNIOR	-1970	28	MALE	PARIS	9001171010

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

Using top clause

Select student _ id, first name, course code from studentrecordmarks1 top limit 2;

```
62 •  select student_id,firstname,coursecode from studentrecordmarks1 top limit 2 ;
63
```

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

student_id	firstname	coursecode
45633	jackson	c98234
45456	siidu	c98123

Software used

My SQL