

NAME:- SULMAN KHAN

Id:- 14518

SUBJECT:- DATABASE SYSTEM.

SEMESTER :- 4(A)

TEACHER :- RIMSHA KHAN.

ID:- 14518, Sulman Khan

Answer 1

Answer (1)

As in the above table is already in 2<sup>nd</sup> normalization. So we'll divide this table into two parts, to convert it into 3<sup>rd</sup> normalization

1)

| Student id | Student name | Std add  | Grade |
|------------|--------------|----------|-------|
| 01         | Fawad        | Karachi  | A     |
| 02         | Waleed       | Lahore   | B     |
| 03         | Saira        | Peshawar | A     |
| 04         | Aiman        | Karachi  | C     |
| 05         | Danyal       | Lahore   | A     |
| 06         | Emaan        | Peshawar | B     |



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| Course id | Course Name |
|-----------|-------------|
| Sec-01    | AI          |
| Sec-05    | SOE         |
| Sec-02    | BIP         |
| Sec-03    | DB          |
| Sec-04    | SRE         |
| Sec-03    | DB          |
| Sec-01    | AI          |
| Sec-01    | AI          |

Thus now it fulfil the  
cond.

QNo:-2a)

Answer (2a)

The

query  
create

we use

database gallery

{

}

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Q2b)

Answer 2(b)

Create table movies

|                  |          |
|------------------|----------|
| ID int           | Not null |
| Movie name       | Not null |
| Genre VARCHAR(5) | Not null |
| Year             | (2020)   |
| Rating           | 5        |

Q2c:- 2c

Answer (2c)

Create table movies

{

id int not null, Primary key,

Movie-name varchar (25) not null,

Genre varchar (25),

Year int;

Rating int;

}



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Answer (3)

Q:-3

4f  
table

you have the following

| Student id | Student name | Age | Grade |
|------------|--------------|-----|-------|
|------------|--------------|-----|-------|

1) write 2 SQL DML Queries to insert your data and your friends in this data table.

Sol:-

We will give the name student table.

Insert keyword is always followed by INTO keyword thus or INSERT statement

with Insert-INTO followed by table name

(student) in which you the row and then

we have list of columns enclosed in

parenthesis. There after we have



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our keywords followed by values of categories you must to insert, enclosed parenthesis

Inserting data

DESC student;

Query 1 :- Insert data into all the columns of student table

INSERT INTO student (Std Id, Std name, Std age, GPA)  
values (14578, Salman Khan, 21, 2.56);

INSERT INTO student (Std Id, Std name, Std Age, GPA)  
values (14538, Arsalan Khan, 22, 3.45)

INSERT INTO student

values student (Std name, Std Age, Std GPA)  
(14531 M. Musa, 20, 3)

Query 2 Insert data into selected



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Write SQL DML Query to Delete all students records whose GPA is Greater 3.

2 Write Student // Table name

| Student ID | std name     | Age | GPA  |
|------------|--------------|-----|------|
| 14518      | Sulman Khan  | 21  | 2.56 |
| 14538      | Arselan Khan | 22  | 3.4  |
| 14531      | M. Musa      | 20  | 3    |

soln - DELETE From Table  
[Where cond];

```
DELETE FROM Student.  
WHERE CGPA = 3 ;
```



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Q:- 4

Answer (4a)

Sol:-

Select Production, Product ID  
 From Cartan table,  
 where product price < 50 Rs  
 ordered by Product ID, Product name;

Q4 (ii)

Answer

| Prod ID | Pro Name       | Categories | Mfg Date  | Exp Date | Price  |
|---------|----------------|------------|-----------|----------|--------|
| 05      | chilli Milky   | Junk       | 8 am 2019 | 3 pm     | 7 Rs   |
| 03      | Kulkule        | Junk       | 2 pm 2019 | 2020     | 3 Rs   |
| 04      | Sheran         | Junk       | -         | -        | 80 Rs  |
| 01      | Dairy Milke    | Junk       | -         | -        | 80 Rs  |
| 02      | Lipton tea bag | Not Junk   | -         | -        | 100 Rs |
| 06      | Olpeas milk    | Not Junk   | -         | -        | 350 Rs |



10:..

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Ans (4) (3)

Q4 (3)

Select count category  
from order-table  
where category;

| Category |
|----------|
| Junk     |
| Not Junk |
| Junk     |
| Junk     |
| Junk     |
| Not-Junk |

from canteen table ?

Select canteen table

from canteen table



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Group by category  
Select category (cat)  
from canteen table  
where name ID;

having count category > 1;  
This is used to filter the  
groups returned.

Select category - (cat)

group by PRSD .

Having category > 1 ;

