

ID:11757

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SUBJECT: DATABASE SYSTEM

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DATE: 30.06.2020

ANS1:

First Normal Form:-

| Student -Id | Student -Name | Student -Address | Course -Id | Course -Name | Grade |
|----------------|------------------|---------------------|---------------|-----------------|-------|
| 01 | Fawad | Karachi | SE-01 | AI | A |
| 01 | Fawad | Karachi | SE-05 | SQE | B |
| 02 | Waleed | Lahore | SE-02 | DIP | C |
| 03 | Saira | Peshawar | SE-03 | DB | A |
| 03 | Saira | Peshawar | SE-04 | SRE | B |
| 04 | Aiman | Karachi | SE-03 | DB | C |
| 05 | Daniyal | Lahore | SE-01 | AI | A |
| 06 | Emran | Peshawar | SE-01 | AI | B |

2ND FORM OF Normalization:-

Student

Course

| Student Id | Student -Name | Student Address | Course -Id | Course -Name | Grade |
|---------------|------------------|--------------------|---------------|-----------------|-------|
| 01 | Fawad | Karachi | SE-01 | AI | A |
| 01 | Fawad | Karachi | SE-05 | SQE | B |
| 02 | Waleed | Lahore | SE-02 | DIP | C |
| 03 | Saira | Peshawar | SE-03 | DB | A |
| 04 | Aiman | Karachi | SE-4 | SRE | B |
| 05 | Daniyal | Lahore | SE-03 | DB | C |
| 06 | Emran | Peshawar | SE-01 | AI | A |
| 03 | Saira | Peshawar | SE-01 | AI | B |

| Student-Id | Course-Id | Grade |
|------------|-----------|--------------|
| 01 | SE-01 | A |
| 01 | SE-05 | B |
| 02 | SE-02 | C |
| 03 | SE-03 | A |
| 03 | SE-04 | B |
| 04 | SE-03 | C |
| 05 | SE-01 | A |
| 06 | SE-01 | B |

ANS2:

PART(1):The query use:

creat database gallery

```
{
}
```

PART(2):creat table movies

```
{
```

Id int not null,primary key,

mvie_Name varchar (25),

Genre varchar(25),

year int,

rating int,

ANS3:

PART(1):

Question #03

If you have the following table.

| Student ID | Student Name | Age | CGPA |
|------------|--------------|-----|------|
| | | | |
| | | | |

Part #01 : Write 2 SQL DML Queries to insert your data and your friend's data in this table.?

Answer ⇒ Insert data in the table which you want to insert.

⇒ Comma, separated list of columns in the table surrounded by parenthesis.

⇒ then gives value.

⇒ **Insert value to table.**
insert into Friends.

(ID, Name, age, CGPA)

value (1, Faizullah, 18, 3.23)

value (2, Fahad, 19, 3.3)

⇒ Now the table is After inserting the

value

| Student ID | Student Name | Age | CGPA |
|------------|--------------|-----|------|
| 1 | Faizullah | 18 | 3.23 |
| 2 | Fahad | 19 | 3.3 |

PART(2):

value

| Student ID | Student Name | Age | CGPA |
|------------|--------------|-----|------|
| 14840 | Faizullah | 18 | 3.23 |
| 2 | Fahad | 19 | 3.3 |

Part #02 Write SQL DML Query to delete all student's record whose CGPA is greater 3.?

Answer: Delete all records whose CGPA greater 3:

Consider the table

| Student ID | Student Name | Age | CGPA |
|------------|--------------|-----|------|
| 14840 | Faizullah | 18 | 3.2 |
| 2830 | Fahad | 19 | 3.3 |
| 13270 | Khan | 20 | 2.3 |

In this table we required to delete Data which CGPA greater than 3.

Delete from friend whose CGPA > 3

Delete Successfully:

| Student ID | Student Name | Age | CGPA |
|------------------|----------------------|---------------|----------------|
| 14840 | Faizallah | 18 | 3.2 |
| 2830 | Fahad | 19 | 3 |
| 13270 | Khan | 20 | 2.3 |

ANS4:

PART(1):

select product name,product id

from centeen table.

here product price<50Rs

order by product ID,product name;

,

PART(2):

| Pro ID | Pro Name | Category | MFG Dat | Exp Dat | Price |
|--------|----------------------|----------|--------------|------------|--------|
| 05 | Chilli Mill Jelly | Junk | 3 Jan 2018 | 3 Jan 2021 | 5 Rs |
| 03 | Kuskure | Junk | 2 April 2019 | - | 30 Rs |
| 04 | Shezan Juice | Junk | - | - | 30 Rs |
| 01 | Dairy Milk chocolate | Junk | - | - | 80 Rs |
| 02 | Lipton tea Bags | Not Junk | - | - | 160 Rs |
| 06 | olpers milk | Not Junk | - | - | 350 Rs |

PART(3):

3)

Ans:

| Category | COUNT(Category) |
|----------|-----------------|
| Junk | 4 |
| Not Junk | 2 |

PART(4):

```
select Order_Details.Order_Id, Canteen_Table.Product_Name, Order_Details.Unit_Price,
Order_Details.Quantity, From Ordar_Details INNER JOIN Canteen_Table on Order_Details.Product_ID =
Canteen_Table.Product_ID
```

Output:

| Order_Id | Product_Name | Unit_Price | Quantity |
|----------|----------------------|------------|----------|
| 01 | Lipton Tea bags | 160 Rs | 1 |
| 01 | Olpers Milk | 350 Rs | 1 |
| 02 | Dairy milk Chocolate | 80 Rs | 2 |
| 02 | Kuskure | 30 Rs | 2 |
| 02 | Chilli Milli Jelly | 5 Rs | 2 |

