

Name : Naveed

ID : 14703

Final-Term : Assignment

Subject : Data bass (theory)

Teacher : Rimsha khan

Program : BS (SE)

①

Qno - 1

perform normalization upto 3rd form on the following table?

Answer:-

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	Waheed	Lahore	SE-02	DIP	C
03	Saiida	Peshawar	SE-03	DB	A
03	Saiida	Peshawar	SE-004	SRE	B
04	Aiman	Karachi	SE-03	DB	C
05	Daniyal	Lahore	SE-01	AI	A
06	Emaan	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	Waheed	Lahore	SE-02	DIP	C
03	Saiida	Peshawar	SE-03	DB	A
04	Aiman	Karachi	SE-04	SRE	B
05	Daniyal	Lahore	SE-03	DB	C
06	Emaan	Peshawar	SE-01	AI	A
03	Saiida	Peshawar	SE-01	AI	B

②

Grade:-

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

③

Qno 2
Write SQL Queries for the following DDL Statement.

Qno:-1
Create a database by the name of Gallery?

Answer:-
Create a database gallery.

Sl-ID	Sl-name	Age	Grade	%age
14703	Naveed	15	A	80%

Qno:-
Write a query to create a table by the name movies which should have the following columns and restrictions?

Answer:-

Create a table
(ID int Pri Key,

movies name varchar (26),

genre int;

Rating ?

Create table

ID integer	not null
movie name	not null
genre varchar (26)	not null
year	2000
Rating	5

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Qno 3
if you have the following table?

Student ID	student	age	CGPA

Qno 4:-

write a SQL DML queries to insert your data and your friends 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

=> give value
insert value in table:-

=> insert into friend
(ID, name, age, CGPA)
value(1, Naveed, 18, 3.33)

value(2, Amid, 19, 3.00)

Table:-

Student ID	Student name	Age	CGPA
Naveed	Naveed	18	3.33
Amid	Amid	19	3.00

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Ques:-

write down SQL query to delete all students whose CGPA is greater than 3?

Answer:-

Delete all records whose CGPA greater 3.

considered the table.

Student ID	Student name	Age	CGPA
14703	Naveed	18	3.3
15431	Amid	19	3
10110	Ali	20	2.5

In this table we require to delete which CGPA is greater than 3.

Deleted from friend whose

$CGPA > 3$
delete successfully.

Student ID	Student name	Age	CGPA
14703	Naveed	18	3.3
15431	Amid	19	3
10110	Khan	20	2.5

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Qno :- 4

Consider you have the following table?

Canteen table:-

Select product name, Pno-Id from canteen table

where product price is < 50 Rs ordered by product name.

order detail:-

Select product ID, unit price from order detail where unit price select min (unit price) from order detail

Product ID	Product Name	Category	Mfg Date	Exp Date	Price
05	chilmilk jelly	Junk	2 Aug 2019	2 Aug 2020	5 Rs
03	Kuokude	Junk	1 Jan 2019	2 Jan 2020	4 Rs
04	Shezan juice	Junk	3 April 2019	3 April 2020	30 Rs
01	Dairy milk chodale	Junk	3 Aug 2019	3 Aug 2020	9 Rs
02	lpton tea	hot Junk	3 Jan 2019	3 Jan 2020	6 Rs
06	alped's milk	hot Junk	3 Feb 2019	3 Feb 2020	20 Rs

Part 3:-

Q.70 :- 4

- ① Select ^{Canteen} count (*)
- ② from canteen table
- ③ group by Canteen.

Canteen Code	Canteen name	Canteen	Commission	Price
A008	Abusaid	Islamabad	0.16	092332
A007	Syed	Karachi	0.17	091332
A003	Khah	Lahore	0.19	093332
A012	Ali	Peshawar	0.11	094332
A011	Farooq	Lahore	0.12	095332
A010	Aiman	Karachi	0.13	096332
A009	Saidq	Peshawar	0.10	097332

Part 4:-

select CustomerID, Customer name, ORDERID
from Customer join orders
on CustomerID = CustomerID
ORDER BY CustomerID

Customer ID	Customer name	ORDER ID
1	Naveed, S	1002
1	Ali, S	1005
2	Saqib, S	1001
3	Amir, S	1009
4	Hamza, S	1007
5	Afghanistan, S	1008
5	Swabi, S	1006
6	Chad, S	1004