FINAL TERM EXAME

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STUDENT ID: 14840

PAPER: DATA BASE

SUBMITTED TO: MAAM RIMSHA KHAN

SECTION: B

DEPARTEMENT: SOFTWARE ENGINEERING

DATE-30-06-2020

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 sorrounded by parantheis.

⇒ 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**

ID: 14840

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
13270	Khan	20	2.3

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

ID: 14840

Delete from friend whose CGPA > 3

Delete Successfully:

Student ID	Student Name	Age	CGPA
~~14840~~	~~Faizullah~~	~~18~~	~~3.2~~
2830	Fahad	19	3
13270	Khan	20	2.3

★★ ★★

Question # 02 Write SQL queries for the following DDL statements ?

Part # 01: Create a database by the name Gallery ?

Answer: Create database Gallery.

St. ID	St Name	Age	Grade	%age
14840	Faizullah	19	A	87 %

Part #02: Write a query to create a tabe by the name Movies which should have the following columns and restrictions?

Answer:

```
Create 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	2020
Rating	5

Question #01:

Perform Normalization upto 3rd Normal Form on the following table?.....

Answer:

Normalize First 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	Emaan	Peshawar	SE-01	AI	B

2ND Form of Normalization:

.....

P.T.O

Student

Student ID	Student Name	student Address
01	Fawad	Karachi
01	Fawad	Karachi
02	waleed	Lahore
03	Saira	Peshawar
04	Aiman	Karachi
05	Daniyal	Lahore
06	Emaan	Peshawar
03	Saira	Peshawar

Course

Course ID	Course Name	Grade
SE-01	AI	A
SE-05	SQE	B
SE-02	DIP	C
SE-03	DB	A
SE-04	SRE	B
SE-03	DB	C
SE-01	AI	A
SE-01	AI	B

3rd Form of Normalization

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

Question #04 :- Consider you have the following 2 tables ?----

Part # 01 Write SQL Query for finding / displaying product names and ids of products whose unit price is less than 50 Rs.

Answer:

(1) **Canteen table** :

```
select product name, product-Id
from canteen table.
where product price is <50 Rs.
ordered by product name & ID.
```

→ **Ordered detail:**

```
select product ID, unit-price
from ordered detail- where
unit-price = select Min (unit price).
from ordered detail.
```

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Part # 02: Write SQL Query for displaying stored names of product names with Alias name as product_list_stored ?

Answer:

Student ID	Product Name	Category	Mfg date	Exp date	Price
05	Supper Biscuit	Junk	2 Aug 2019	8 Aug 2020	20 RS
06	Kurkurey	Junk	5 Jan 2018	5 Jan 2019	50 RS
03	Burger	Junk	3 Mar 2015	3 Mar 2018	30 RS
01	Coca Kola	Not Junk	6 Dec 2012	6 Dec 2015	90 R.S
07	Olpers Milk	Not Junk	3 Mar 2018	3 Mar 2020	15 R.S
08	Pizza	Junk	1 Aug 2019	1 Aug 2021	200 R.S
05	Dairy Milk chocolate	Junk	2 dec 2012	5 dec 2020	15 R.S
09	Sprit Juice	Not Junk	1 Jan 2020	1 Jan 2022	50 R.S

Part # 03: Write output of the following query ?

```
Select category, COUNT:(category)
From Canteen Table
GROUP BY Category
(Having Count Category) > 1;
```

Answer:

~~Canteen~~

① Select canteen, (count).
② From canteen table.
③ Group by canteen;

Canteen Code	Canteen Name	Canteen Address	Comi-ssion	Ph. No
A 203	Awais	Peshawar	10	0343---
B 3021	Haris	Islamabad	15.7	035314-
C 756	Khan	Lahore	13.2	039542-
A 520	Amjid	Swabi	0.5	093400
C 076	Ahmad	Mardan	12	031562-

Part # 04: Write SQL INNER JOIN query and it's output on the given two tables....?

Answer:

Query:

```
Select order. Details
order Id, Canteen table, Product Name,
order-details, Unit, price, order details,
quantity,
From Order-Details INNER JOIN
Canteen- table on order-Details, product
ID= Canteen-table, product-ID.
```

Out Put:

Order ID	Product Name	Unit price	Quantity
02	dairy Milk chocolate	120 RS	2
03	Super Biscuit	50 R.S	03
09	Genger Burger	150 RS	09
06	Pizza	300 R.S	06
08	Lipton Tea bags	10 RS	08

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