

Name :- Michrav Khan ID :- 12990

Date: \_\_\_\_\_

Page # \_\_\_\_\_

Question no # 1 (1)

(Answer 1)

In question 1 the table is already in the 2<sup>nd</sup> normalization

⇒ Now we divided this table into 2 parts to convert into 3<sup>rd</sup> normalization

part (1)

student id	student Name	student Adress	Grade
01	Fawad	Karachi	A
			B
02	Waleed	Lahore	C
03	Saira	Peshawar	A
			B
04	Aiman	Karachi	C
05	Danyal	Lahore	A
06	Emaan	Peshawar	B

Part (2)

course id	Course name
SE-01	AI
SE-05	SQE
SE-02	DIP
SE-03	DB
SE-04	SRE
SE-03	DB
SE-01	AI
SE-01	AI



Name :- Midrar Khan ID :- 12990

Q1 (Ans)

Page (2)

These now fulfill it converted into 3<sup>rd</sup> normalization form.

Student	Section	Score	Grade
A	Section 1	80	B
B	Section 1	70	C
A	Section 2	85	A
B	Section 2	75	B
A	Section 3	90	A
B	Section 3	80	B

Course	Section	Score	Grade
LA	Section 1	80	B
LA	Section 2	70	C
LA	Section 3	85	A
LA	Section 4	75	B

Name :- Michrar Khan

ID :- 12990

Date: \_\_\_\_\_

Page (3)

Q2 write SQL queries for following DDL statements.

(1) Create a Database by the name gallery.  
The query we use

```
{ Create database Gallery
```

(b) {

Q2 write a query to create a table by the name movies which should have the following columns and restrictions:

```
{ Create table Movies.
```

```
  ID int not null, primary key,
```

```
  Movie-Name varchar(25) not null,
```

```
  Genre varchar(25),
```

```
  Year int;
```

```
  rating ;
```



Name: Michrar Khan ID: 12990  
Page (4)

Date: \_\_\_\_\_

Question no # 3

if you have the following table

Student id	student name	Age	CGPA

1) writ 2 SQL queries to inter insert your data and your friend data in this table.

Sol we will give the name to table student table

Insert keyword is always followed by INTO keyword that or INSERT starts with insert-INTO followed by the table name (student) in which you insert the row and then we have our list of ~~document~~ columns enclosed in parenthesis. There after we have our keyword values followed by values of columns which you want to insert enclosed in parenthesis

Inserting data on next page.

Name :- Midrar Khan ID :- 12990

Date: \_\_\_\_\_

Page (5)

inserting data

DESC student

Query 1 - insert DATA into all the ~~element~~ coloums of student table

Insert INTO: student(studentid,  
student name, Age, CGPA)

values(12990, Midrar Khan, 22, 2.5)

Insert INTO student

values (12999, Farhan Ali, 22, 2.7).

Query 2 Insert data into Selected  
Coloums.

Insert INTO student(studentid, studentname, Age)

values(12991, Sameed Ali, 20);

Name :- midrar khan

ID :- 12990

Page (6)

Date: \_\_\_\_\_

Q(3)

Q(6)

write SQL, DML Query to delete all student records whose CGPA is greater 3.

student // Table name

student ID	Student Name	Age	CGPA
12990	Midrar khan	22	2.5
12999	Farhan Ali	23	3.7
12991	Sameed	24	3.8

sol) DELETE FROM TABLE  
[WHERE condition]

DELETE FROM ~~table~~ student  
WHERE CGPA = 3;

Date: Name :- Midyar Khan ID :- 12990

Page (7)

Question # 4

I will direct start my answer  
2 table is in question (sorry.)

Q4(A) write SQL for Finding / displaying  
product names and ids of  
products whose unit price is less  
than 50Rs.

Ans

```
Select Product name, Product ID
From canteen table
where product price < 50Rs
orderd by product ID,
product name;
```

Date: Name: Midrar Khan IO: 12990

Page (8)

Q4 Part (B)

write SQL Query for displaying sorted name of products name with Alias name as product list sorted.

Answer.

Product ID	Product name	categories	MFG Data	Exp Data	Price
05	chilli Milli jelly	Junk	3 Jan 18	3 Jan 21	5 Rs
03	Kuskura	Junk	2 April 19	2 April 21	30 Rs
04	shezan juice	Junk	3 Aug 19	3 Aug 21	30 Rs
01	Dairy milk chocolate	Junk	2 Aug 19	2 Aug 20	80 Rs
02	lipton tee bag	Not Junk	2 Jan 19	2 Jan 20	160 Rs
06	olper milk	Not Junk	3 April 18	3 April 20	350 Rs





Name :- Midrar Khan ID :- 12990 (Page 19)

### Question 4 (Part C)

c) write output of the following query.

category	MyCount
Junk	4
Not Junk	2

### Question 4 Part (D) last one

#### INNER JOIN SQL Query

Select Canteen table. Product-ID, product name, unit-price FROM Canteen table INNER JOIN order-Details ON Canteen-table - Product-ID=order-Detail-product

output :-

Product ID	Product name	order-ID	Unit-Price.
02	tipton tee bag	01	160
06	olPers Milk	01	350
01	Dairymilk chocolate	02	80
03	Kuskura	02	30
05	chilli milli	02	5