

Id:
14525

(1)

Name	Marahid Khan
ID	14525
Subject	Database System
instructor	Mam Rimsha Khan
Semester	4 th
program	BSCS
Department	Computer Sci
Date	30/6/2020

QNO#1

* 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	SOE	B
02	Waheed	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:-

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Student

Course

Student-Id	Student-Name	Student-Address	Course-Id	Course-Name	Grade
01	Fauad	Karachi	SE-02	AI	A
01	Fauad	Karachi	SE-05	SOE	B
02	Wabeed	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	Emaan	Peshawar	SE-01	AI	A
03	Saira	Peshawar	SE-01	AI	B

* 3rd NORMAL FORM:-

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

* 3rd NORMAL FORM:-

Grade

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

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3

SE-03

C

SE-01

A

SE-01

B

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Q NO # 2

Create database Gallery

(Create tables movies

id int not null primary key,
Movie - name varchar(50) not null,
Genre varchar(50),
Year int Check, (year between 0 & 2020),
Rating int Check (Rating between 0 & 2020),
)

Select * from movies

Q NO # 3

Create table Students = data

(Student_id int not null primary key,
Student_name varchar(50) not null,
age int,
CGPA float,
)

insert into Students_data values(01, 'Manahil', 21, 3, 7)
insert into Students_Data values(03, 'Farkha', 22, 2, 2)
insert into Students_Data values(02, 'Baloch', 22, 2, 7)
Select * from Students_Data
delete from Student_Data where CGPA < 3
Select * from Student_Data

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QNO#4

Part I

Select product_name, product_id
from canteen_table
where unit price < 50,

II) Select product_name, category,
product_id from canteen_table
where product_id IN (01, 03, 02).
ORDER By product_id, product_name

*

Select canteen_table.product_id
AS id
canteen_table.product_name AS
name from canteen_table
where product_id = 'home furnishings'.

III) Category Not column name

junk	4
Not junk	2

IV) Select canteen_table.product_id,
product name, order_id
From canteen_table, left outer join
ORDER - T ON canteen_table.product_id
= order_Details.product_id

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Product - Id	product - name	unit price	Order - Id
01	Dairy milk	80RS	02
02	Chocolate lipton tea bags	160RS	01
03	Kurkare	30RS	02
04	Shezan juice	30R	
05	Chilly milli jelly	50RS	
06	Olper's milk	350	01