

# ~ DATABASE ~ FINALS

MAZIN KAMRAN

14890

BS (CS) 4th

→ MAM-RIMS HA

• Q NO 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	SQE	B
02	Waleed	Lahore	SE-02	DIP	C
03	Saira	Peshawar	SE-03	BB	A
03	Saira	Peshawar	SE-04	SRE	B
04	Ammam	Karachi	SE-03	DB	C
05	Damiyal	Lahore	SE-01	AI	A
06	Erman	Peshawar	SE-01	AI	B



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→ SECOND NORMAL FORM :

→ STUDENT TABLE :

STUDENT ID	STUDENT NAME	STUDENT ADDRESS
01	Fawad	Karachi
01	Fawad	Karachi
02	Waleed	Lahore
03	Laira	Peshawar
03	Laira	Peshawar
04	Aiman	Karachi
05	Daniyal	Lahore
06	Emaan	Peshawar

→ COURSE DETAIL TABLE :

STUDENT 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



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→ THIRD NORMAL FORM:

→ STUDENT TABLE:

STUDENT ID	STUDENT NAME	STUDENT ADDRESS	COURSE ID
01	Fawad	Karachi	SE-01
01	Fawad	Karachi	SE-05
02	Waleed	Lahore	SE-02
03	Saira	Peshawar	SE-03
03	Saira	Peshawar	SE-04
04	Aiman	Karachi	SE-03
05	Daniyal	Lahore	SE-01
06	Emaan	Peshawar	SE-01

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



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Q NO 2.

(a)



Create database gallery.

(b)



Create table Movies

(

id int not null primary key,

Movie\_name varchar (50) not null,

Genre varchar (50) not null,

year int check (year between 0 and 2020),

Rating int check (Rating between 0 and 2020),

)

Select \* from Movies.



• Q NO 3.

(a)



Create table Students\_data

(

Stud\_id int not null primary key,

Stud\_name varchar (50) not null,

Age int,

GPA float,

)

insert into Students\_data values (01, 'MAZIN', 23, 3.25)

insert into Students\_data values (02, 'Yasir', 24, 2.9)

insert into Students\_data values (03, 'ASAD', 22, 2.32)

Select \* from Students\_data.

(b)



delete from Students\_data where GPA < 3

select \* from Students\_data.



• Q NO 4.

(a)

→

Select Prod\_Name, Prod\_Id from  
Canteen\_Table where unit price < 50.

(b)

→

Select Prod\_Name, Prod\_Id, category  
from Canteen\_Table where Prod\_Id  
IN(01, 02, 03)  
Order by Prod\_Name, Prod\_Id.

Select Canteen\_Table.Prod\_Id as Id  
Canteen\_Table.Prod\_Name as Name from  
Canteen\_Table where Prod\_Id = 'Home Furnishings'

(c)

→

Category                  Not Column Name.

junk	4
Not junk	2



(d)



Select Canteen\_Table.Prod\_Id, Prod\_Name,  
Order\_Id from Canteen\_Table, Left outer  
join ORDER-T ON Canteen\_Table.Prod\_Id  
= Order\_Details.Prod\_Id

PROD.Id	PROD_NAME	UNIT PRICE	ORDER-Id
01	Dairy Milk	80 Rs	02
02	Lipton tea bags	160 Rs	01
03	Kuskuse	30 Rs	02
04	Shezam Juice	30 Rs	
05	Chilli milli jelly	5 Rs	
06	Olpass Milk	350 Rs	01