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NAME IKRAMULLAH
ID# 15072
DEPARTMENT BS-CS 2nd

ANSWER 1

Normal Form.

Student ID	S-NAME	S-Address	COURS-ID	C-NAME	Grade
01	Fawad	Karachi	SE-01	AI	A
01	Fawad	Karachi	SE-05	SQE	B
01	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	Elman	Peshawar	SE-01	AI	B

2nd Normal Form

Student-Details Table

P.T.O

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S-ID	S-NAME	S-Address
01	Fawad	Karachi
01	Fawad	Karachi
02	Waleed	Lahore
03	Saira	Peshawar
03	Saira	Peshawar
04	Aiman	Karachi
05	Daniyal	Lahore
06	Eiman	Peshawar

Course-Details-Table

CourseID	C-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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3rd Normal Form Student table

S-ID	S-NAME	S-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	Eman	Peshawar	SE-01

C-ID	C-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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ANSWER 2(a)

Create database Gallery;

ANSWER 2(b)

Create table Movies

(

ID-No int not null

Name varchar(50) not null,

Genre varchar(50),

Year integer max = 2020

Rating integer max = 5

)

Message: Command(s)

Completed Successfully

Select * from Movies

Results

ID : Movie-Name Genre Year Rating

ANSWER 3(a)

Create table student Record

(

ID int not null Primary key,

name varchar(20)

age int,

cgpa float

)

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insert into student record
values (4, 'KRAM', 19, 2.6)

Delete from student record \leftrightarrow (b)

where CGPA \geq 3

Select * from student record

ANSWER 4 (a)

Select product-Name, product-ID
from canteen-Table where unit price
 $<$ 50 RS.

(b)

Select product-Name, category
product-ID from canteen-Table where
product ID ~~is~~ IN (01, 03, 02)
order by product-ID, product Name

(c)

category	not column name
junk	4
Not junk	2

(d)

Select canteen-table, product-ID
product name, order-ID, From canteen
table left ^{outer} join order-ID on canteen
table product-ID = order-Details
product-ID

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Product Id	P-NAME	order-Id	u-price
01	Dairy-Milk-Chocolate	02	80 RS
02	Lepton.T.b eggs	01	160 RS
03	kukute	02	30 RS
04	shezan juice	02	30 RS
05	Chili-Mili-jelly	02	5 RS
06	olperz-Milk	01	350 RS