

Name

Sauood ur Rehman

ID

15031

Dept

Bsc (cs) 4th semester

Subject

Database system

Date

3-16/2020

Assignment

Final Term

①

Q1

Ans 5. First Normal Form

Student ID	Student Name	Student Address	Course ID	Course Name	Grade
01	Faisal	Karachi	SE-01	AI	A
02	Faisal	Karachi	SE-05	SSE	B
02	Waleed	Lahore	SE-02	DIP	C
03	Saira	Peshawar	SE-03	DB	A
03	Saira	Peshawar	SE-04	SRE	B
04	Aimen	Karachi	SE-03	DB	C
05	Danial	Lahore	SE-01	AI	A
06	Emran	Peshawar	SE-01	AI	B

Second

Normal

Form

Student - Detail Table

(2)

Student ID	Student Name	Student Address
01	Fauwal	Karachi
01	Fauwal	Karachi
02	Waleed	Lahore
03	Saira	Peshawar
03	Saira	Peshawar
04	Ameen	Karachi
05	Danizul	Lahore
06	Emaan	Peshawar

Course Detail Table

Course ID	Course Name	Grade
SE-01	AI	A
SE-05	SRE	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

Third Normal Form

Student

Table

Student ID	Student Name	Student Address	Course ID
01	Fawad	Karachi	SE-01
01	Fawad	Karachi	SE-05
02	Waqeel	Lahore	SE-02
03	Saira	Peshawar	SE-03
03	Saira	Peshawar	SE-04
04	Aiman	Karachi	SE-03
05	Danial	Lahore	SE-01
06	Eman	Peshawar	SE-01

Course ID	Course Name	Grade
SE-01	AI	A
SE-05	SRE	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

4

Q2

Ans 1 co create database Category

Ans 2 co create table Movies

(
ID integer NOT Null Primary key
Movie Name varchar (50) NOT Null
Genre varchar (50)
Year integer max = 2020

Rating integer max = 5
)

Result co

ID / Movie Name / Genre / Year / Rating

5

Q3
3

Ans 1)
3

create table student_record

(
student_ID not null primary key,
student_Name varchar (50) not null,
Age integer
CGPA float
)

insert into student_record values
(15031, 'Saurav', 20, 3.7)

insert into student_record values
(14944, 'Aash', 22, 2.5)

select * from student_record

Result

student ID	student Name	Age	CGPA
15031	Saurav	21	3.7
14944	Aash	22	2.5

(6)

Ans 2) or

Delete from student_record

where CGPA > 3

select * from student_record

Result

or

student ID	student name	Age	CGPA
14944	Asad	22	2.5

(7)

Q4
3

Ans 1) \rightarrow ω Select Product_Name, Product_ID
from canteen_Table where
unit Price < 50 Rs

Ans 2) * \rightarrow 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';

8

Ans 3)
3

Category	Count (category)
Junk	4
Alot Junk	2

Ans 4)
3

Select canteen Table, Product ID,
Product Name, Order ID from
canteen Table, left outer join ORDER
ON canteen Table Product ID =
Order Detail, Product ID

Product ID	Product Name	Unit Price	Order ID
1	Dairy Milk chocolate	80 Rs	02
2	Capton Tea bags	160 Rs	01
3	Buskare	50 Rs	02
4	Shegan Juice	30 Rs	02
5	choco Jelly	5 Rs	02
6	Olper Milk	350 Rs	01