

Date:    /    /   

# Final Assignment

Name

Asad Khan

ID

14944

Subject

Database

Dpt

Bs (cs) 4th

Date.

30/06/2020

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Q No 1

First Normal Form

Sfd ID	Sfd Name	Sfd Address	Course ID	Course Name	Grade
01	Fawad	Karachi	SE-01	AI	A
01	Fawad	Karachi	SE-05	SOPE	B
02	waleed	Lahore	SE-01	DTP	C
03	Saira	Peshawar	SE-03	DB	A
03	Saira	Peshawar	SE-04	SRE	B
04	Aiman	Karachi	SE-03	DB	C
05	Daryal	Lahore	SE-01	AI	A
06	Emar	Karachi	SE-01	AI	B

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2nd Normal Form

Std. ID	Std. Name	Std. address
01	Fawad	Karachi
01	Fawad	Karachi
02	waleed	Lahore
03	Saira	Peshawar
03	Saira	Peshawar
04	Aiman	Karachi
05	Danyal	Lahore
06	Emir	Peshawar

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Course_ID	Course_Name	Grade
SE_01	AI	A
SE_05	SOE	B
SF_02	DIID	C
SE_03	DIBB	A
SE_04	SRE	B
SE_03	DB	C
SE_01	AI	A
SE_01	AI	B

Register

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3rd Norm form

Stel ID	Stel Name	Stel Address	Course ID
01	Fawad	Karachi	SE-01
01	Fawad	Karachi	SE-05
02	waseed	Lahore	SE-02
03	Saira	peshawar	SE-03
03	Saira	peshawar	SE-04
04	Aiman	Karachi	SE-03
05	Danyal	Lahore	SE-01
06	Emran	peshawar	SE-01

Course ID	Course Name	Grade
SE-01	AI	A
SE-05	SGE	B
SE-02	DIP	C
SE-03	DB	A
SE-04	SRF	B
SE-03	DB	C
SE-01	AI	A
SE-01	AI	B

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Q no 2

Create Database gallery  
use gallery

Create table Movies

(  
ID\_No int Not Null primary Key,  
Name varchar not Null,  
year int max = 2020  
rating int max = 5  
)

Result:

ID_No	Name	year	rating
-------	------	------	--------

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Q. No 3)

Create database Student  
use Student  
Create table Record

```
(  
  std-ID int not null primary key,  
  std-Name varchar not null,  
  age int,  
  cgpa float  
)
```

Same we don't need comma,  
at the end column creating  
time

insert into Record values (1, 'Asad', 20, 3.4)  
insert into Record values (2, 'Zain', 19, 2.5)

delete from Record where cgpa > 3

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Ques 4

①

Select product name, unit price  
where  $\text{SUBSTR}(\text{unit price}, 1, 5) < 50$ ;

② Select product name from table as  
product\_list sorted order by  
product name;

③

category	count(category)
Junk	4
Not junk	2

Junk is 4 in given table  
and Not junk is 2 so  
above table as shown



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Ques

(4) Query

Select Order\_Details. order\_ID, ~~Canteen~~  
 Canteen table. product\_Name,  
 order\_details. unit\_price,  
 order\_Details. Quantity, from  
 order\_Details INNER JOIN ~~Canteen~~  
 Canteen-table on order\_Details  
 product\_ID = Canteen-table.  
 product\_ID.

Output

Order_ID	Product_Name	unit_price	Quantity
01	lipton Tea bags	160 Rs	1
01	alphons Milk	350 Rs	1
02	Dairy milk chocolate	80 Rs	2
02	KurKure	30 Rs	2
02	chilli milk jelly	5 Rs	2

SQL Server Enterprise Edition (64-bit) - master | Execute | Debug | [Icons]

SQLQuery1.sql - HP...P Computer s (52)) \* X Object Explorer

```
create database gallery
```

Messages

Command(s) completed successfully.



SQLQuery1.sql - HP...P Computer s (52))

Object Explorer

```
create table Movies
(
  ID_NO int not null,
  Name varchar (30) not null,
  Gener varchar (30)not null,
  Year int not null,
  Rating int not null
)
```

100 %

Messages

Command(s) completed successfully.

File Edit View Project Debug Tools Window Help

New Query Execute Debug

SQLQuery1.sql - HP...P Computer s (52))\*

Object Explorer X

Connect

- HPCOMPUTERS-PC (SQL Server 11.0.2100 - HPComputers-PC\HP Computer s)
  - Databases
    - System Databases
    - asad
    - furniture
    - gallery
      - Database Diagrams
      - Tables
        - System Tables
        - FileTables
        - dbo.Movies
        - dbo.R\_Moives
          - Columns
            - ID\_NO (PK, int, not null)
            - Name (varchar(30), not null)
            - Gener (varchar(30), not null)
            - Year (int, not null)
            - Rating (int, not null)
        - Keys
        - Constraints
        - Triggers
        - Indexes
        - Statistics
      - Views
      - Synonyms

```
create table kohat
(
  ID int not null primary key,
  name varchar (20),
  age int,
  cgpa float
)
insert into kohat values(4 , 'zain ',19, 2.6)
select *from kohat
```

100 %

Results Messages

	ID	name	age	cgpa
1	1	Asad	20	3.4
2	2	Abid	19	3.8
3	3	mohsin	17	2.9
4	4	zain	19	2.6

Query executed successfully. | HPCOMPUTERS-PC (11.0 RTM) | HPCompu

Matches: (

SQLQuery3.sql - HPCOMPUTERS-PC.insertin (HPComputers-PC\HP  
File Edit View Query Project Debug Tools Window Help  
New Query Execute Debug  
insertin  
SQLQuery3.sql - HP...P Computer s (53)) \* X SQLQuery1.sql - HP...P

```
create table kohat  
(  
    ID int not null primary key,  
    name varchar (20),  
    age int,  
    cgpa float  
)  
insert into kohat values(4 , 'zain ',19, 2.6)  
DELETE FROM kohat  
WHERE CGPA >= 3  
select *from kohat
```

%

Results		Messages	
ID	name	age	cgpa
3	mohsin	17	2.9
4	zain	19	2.6

ery executed successfully. | HPCOMPUTERS-PC (11.0 RTM