

Name Mazhar Saleem

Ad 14455

Sems 4th

deptt Bscs

Assign Database

Q no

No

Sl. No

01

01

02

03

03

04

05

06

Sl. No

01

01

02

03

04

05

06

03

Q1: perform normalization upto 3rd normal form of the following table:

Normal Form:-

St. 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	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:

Student

COURSE

St. Id	St. Name	Student Address	Std id	Student name	Student grade
01	Fawad	Karachi	SE01	AI	A
01	Fawad	Karachi	SE05	SQE	B
02	Waleed	Lahore	SE02	DIP	C
03	Saira	Peshawar	SE03	DB	A
04	Aiman	Karachi	SE04	SRE	B
05	Daniyal	Lahore	SE-03	DB	C
06	Emaan	Peshawar	SE-01	AI	A
03	Saira	Peshawar	SE-01	AI	B

3rd

2

Grades

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


















Q2 Q2 part 1:-

create database gallery.

Q2 Q2 part 2:-

```
create table movies (  
  id int primary key not null,  
  movie-name varchar(2) not null,  
  genre varchar(3),  
  year int check (year b/w 0 and 2020)  
  rating int check (rating b/w 0 and 5)
```

Debug Tools Window Help

Query                 

SQLQuery14.sql - T...OR.master (sa (52))* X

```
create database Students
```

100 - sa)

5

int, not null)
Name (varchar(1), not null)
varchar(1), null)
t, null)
(int, null)

5

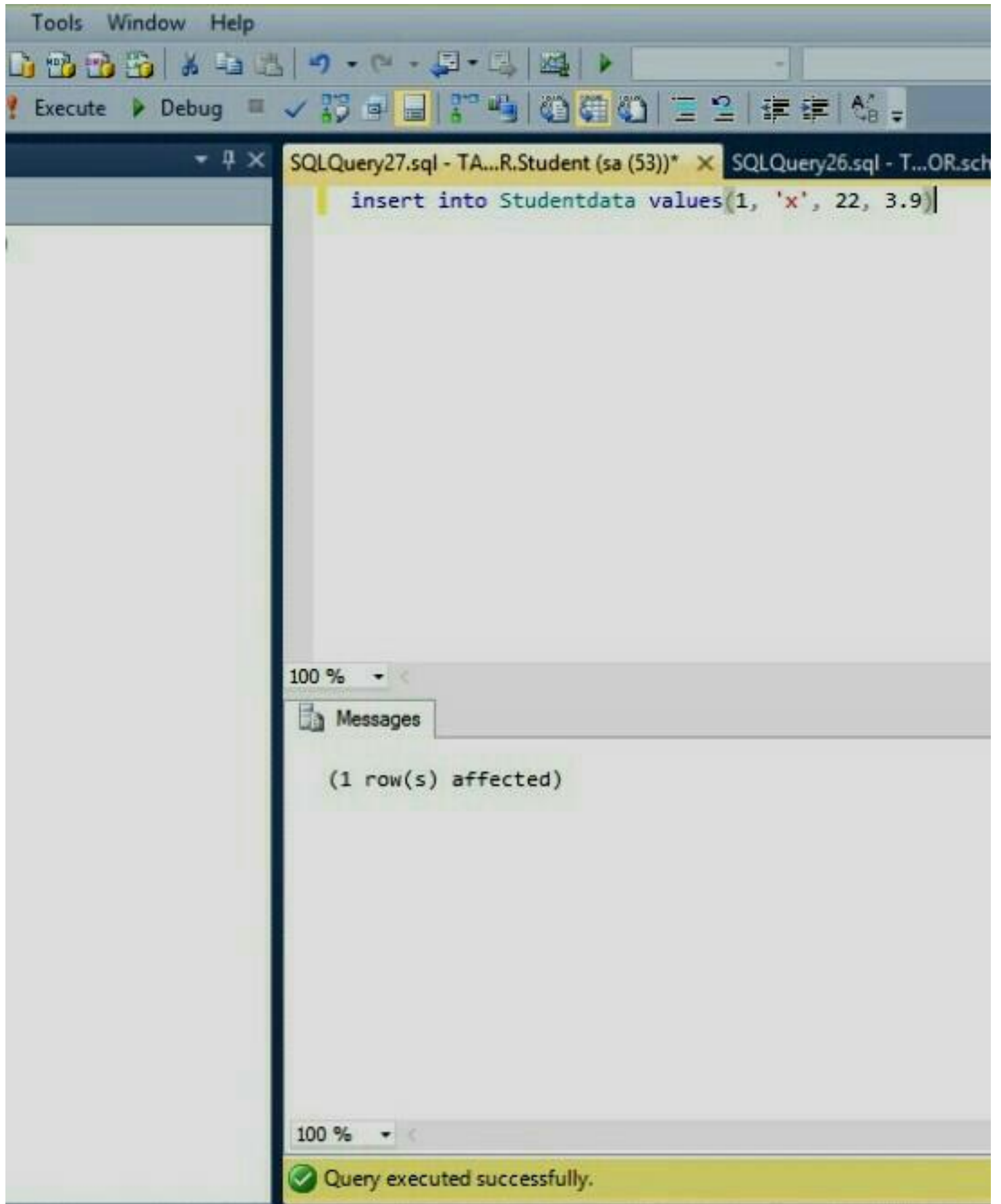
100 %

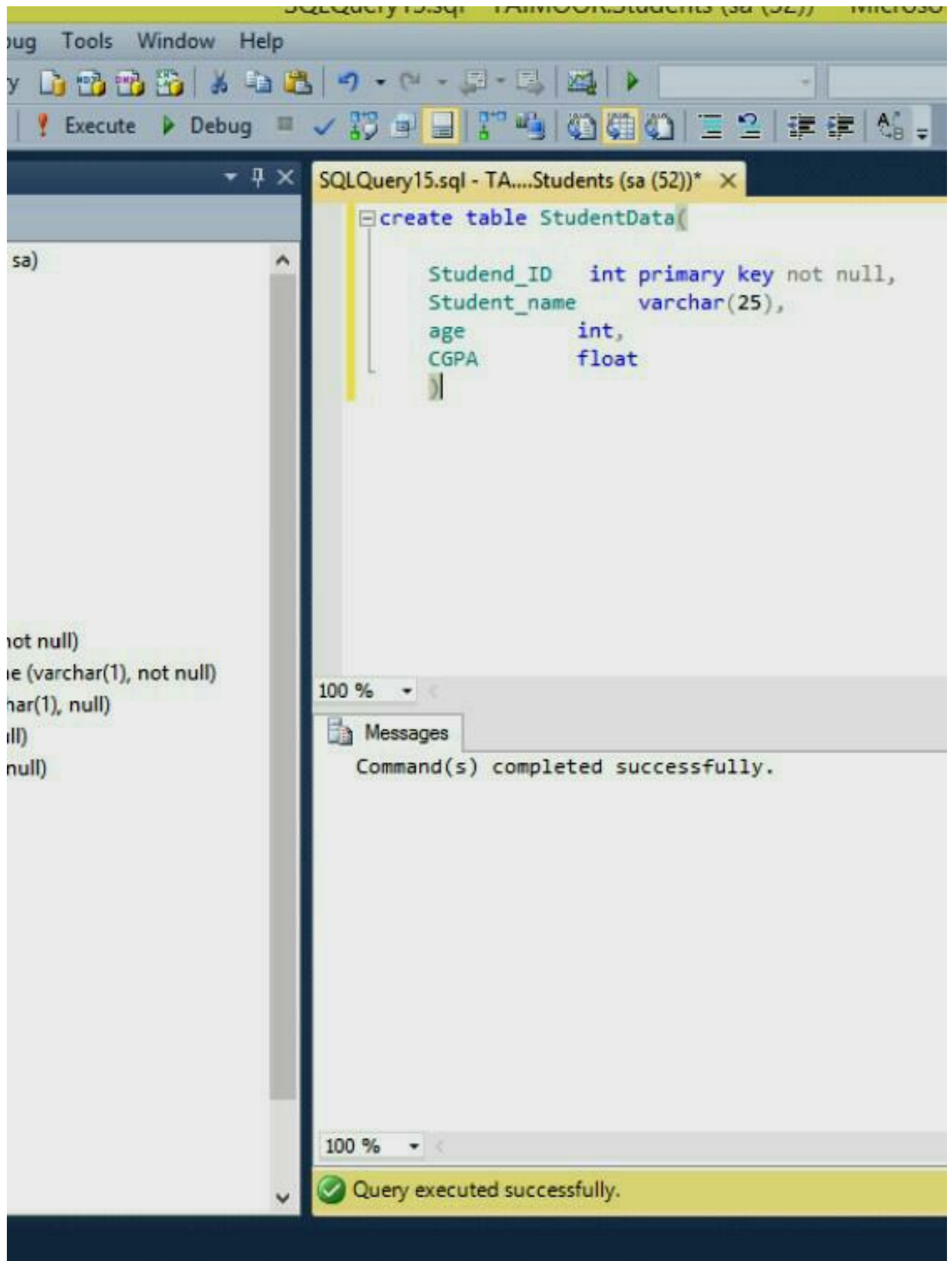
Messages

Command(s) completed successfully.

100 %

Query executed successfully.





File Query Project Debug Tools Window Help



SQL Server Enterprise Manager tree view showing the following structure:

- Server (SQL Server 11.0.2100 - sa)
 - Databases
 - System Databases
 - urnitur
 - urniture
 - aller
 - allery
 - chool
 - student
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Studentdata
 - Views
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - students
 - aimoor
 - urity
 - er Objects
 - ication
 - agement

```
SQLQuery27.sql - TA...R.Student (sa (53))* x SQLQuery26.sql - T...O  
insert into Studentdata values(3, 'z', 22, 2.7)
```

100 %

Messages

(1 row(s) affected)

100 %

Query executed successfully.



er 11.0.2100 - sa)

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Diagrams

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studentdata

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```
SQLQuery27.sql - TA...R.Student (sa (53))* X SQLQuery26.sql - T...  
insert into Studentdata values(2, 'y', 21, 3.7)
```

100 % <

Messages

(1 row(s) affected)

100 % <

✔ Query executed successfully.



SQL Server 11.0.2100 - sa)

- Databases
- Server
- Enterprise
- Database Diagrams
- Tables
- System Tables
- FileTables
- dbo.Studentdata

SQLQuery27.sql - TA...R.Student (sa (53))* x SQLQuery26

```
select * from Studentdata
```

100 %

Results Messages

	Student_ID	Student_Name	Age	Cgpa
1	1	x	22	3.9
2	2	y	21	3.7

Query executed successfully.



```
SQLQuery27.sql - TA...R.Student (sa (53))* × SQLQuery  
delete from Studentdata where Cgpa < 3
```

100 % <

Messages

(1 row(s) affected)

100 % <

Query executed successfully



11.0.2100 - sa)

ses

Diagrams

Tables

es

Studentdata

Ability

ker

SQLQuery27.sql - TA...R.Student (sa (53))* x SQLQuery26.sql - T...OR

```
select * from Studentdata
```

100 %

Results Messages

	Student_ID	Student_Name	Age	Cgpa
1	1	x	22	3.9
2	2	y	21	3.7
3	3	z	22	2.7

Query executed successfully.

Question 4 part 1:-

```
Select product_name, product_price
From canteen-table
where product price < 50
order by product id, product-name;
```

Q 4 part 2:-

```
Select product_name, category,
product id, from canteen-table
where product-id in(01, 3, 2)
Order by product-id id prod-name.
```

```
Select
Select canteen-table.product-id
as id.
```

```
canteen-table product-name As
name from canteen-table
where product-id = "home 7ur".
```

Q4 part 3

category	not column name
junk	4
Not junk	2

Q4 part 4

```
Select canteen-table.product-id
product name, order-id.
From canteen table, left outer join
order - on canteen-table, product-id
= order-details.product-b
```

product-id	Product-name	Unit price	Order
01	chocolate	80 rs	02
02	Tea bags	160 rs	01
03	kurkure	30 rs	02
04	juice	30 rs	
05	jelly	50 rs	
06	Milk	350	01