AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)

FACULTY OF SCIENCE & TECHNOLOGY

Supervised By

Kawser Irom Rushee

Submitted By

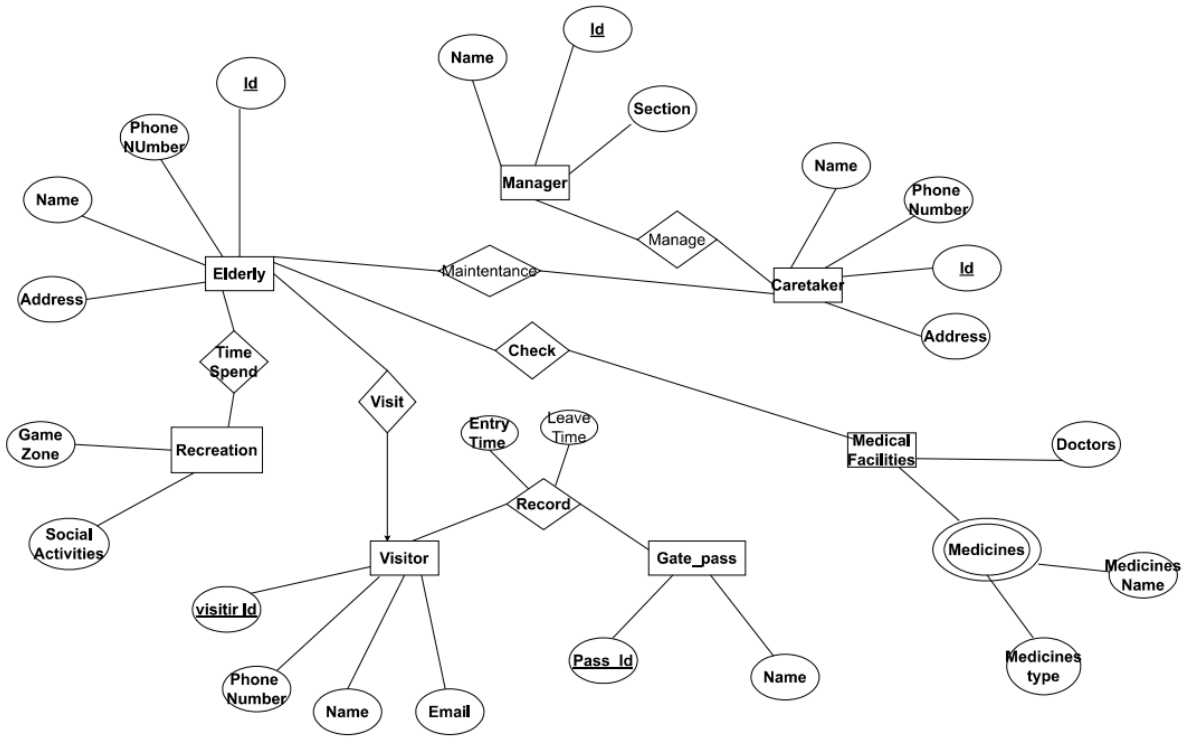
Name	ID
ALIF HOSSAIN TALHA	21-44923-2
MD MOSTOFA HASIB	21-44938-2
MD WASHIK	21-44900-2
FAHMIDA TANJIYA EMA	18-38961-3

Old age home

Scenario:

In an old age home management system, a caretaker takes care of many elderlies living in the old age home. A caretaker has several attributes which includes ID, name, phone number and address. Similarly, an elderly also has several attributes which are name, phone number and address. A visitor is anyone who visits the old age home and a visitor is only allowed to visit only one elderly, a visitor has several attributes such as visitor ID, name, phone number and email. A manager has several tasks which include overseeing caretakers. Manager has many attributes which includes ID, name and section. There are many recreational activities that an elderly can participate which includes game zone and social activities. There are doctors and nurses who takes care of the medical needs of the elderly. Before entering into the old age system, a visitor has to provide their respective ID and name.

ER Diagram:



Old age home

Normalization

Manage

UNF: 1st: (C_name , C_Id , Area , District ,M_name,M_Id,Section)

1NF:1st : M_Id, C_Id , M_name, C_name, Area , District , Section

2NF:1st : M_Id , Section

2nd : C_Id , C_name ,Area , District

3rd : M_Id , M_name

4th : M_Id , C_Id

3NF: 1st: M_Id , Section

2nd : C_Id , C_name

3rd : Area , District

4th : M_Id , M_name

5th: M_Id , C_Id

Manager Final Table

1st: M_Id , Section

2nd : C_Id , C_name

3rd : Area , District

4th : M_Id , M_name

5th: M_Id , C_Id

Record

UNF: 1st: (Pass_Id , P_name , V_Id , VPhone_Number ,V_Name , V_email)

1NF:1st : Pass_Id , V_Id , VPhone_Number ,P_name , V_Name , V_email

2NF:1st : V_Id , V_Name , V_email , VPhone_Number ,Pass_Id

2nd : Pass_Id , P_name

3NF: 1st: V_Id, V_Name , V_email

2nd : Pass_Id , P_name

3rd : V_Id , V_Name , VPhone_Number

4th : Pass_Id, V_Id,

Time Spend

UNF: 1st: (E_id , E_name , Phone_Number , E_area , E_district , Game_zone , Social_act)

1NF:1st : E_id , E_name , Phone_Number , E_area , E_district , Game_zone , Social_act

2NF:1st : E_id , E_name , Phone_Number

2nd : E_id , E_area , E_district

3NF: 1st: E_area , E_district

Visit

UNF: 1st: (E_id , E_name , E_Phone_Number , E_area , E_district , V_Id , V_Name, V_email , Phone_Number)

1NF:1st : E_id , E_name , E_Phone_Number , E_area , E_district , V_Id , V_Name, V_email , V_Phone_Number

2NF:1st : V_Id , V_Name, V_email , V_Phone_Number

2nd : E_id , E_name , V_Phone_Number

3rd : E_id , E_area , E_district

3NF: 1st: V_Id , V_Name, V_email , V_Phone_Number

2nd : E_area , E_district

3rd : E_id , V_Id

4th : E_id , E_name

Maintenance

UNF: 1st: (C_name , C_Id , Area , District , E_id , E_name , E_Phone_Number , E_area , E_district)

1NF:1st : C_name , C_Id , Area , District , E_id , E_name , E_Phone_Number , E_area , E_district

2NF:1st : C_Id ,C_name , Area , District

2nd : E_id , E_name , E_area , E_district

3rd : E_id, E_Phone_Number

4th : C_Id, E_id

3NF: 1st: C_Id ,C_name

2nd : E_id , E_name , C_Id , Area

3rd : Area , District

4th : E_area , E_district

5th : C_Id, E_id

Check

UNF: 1st: (E_id , E_name , E_Phone_Number , E_area , E_district , Doctors , Medicines_Name, Medicines_type)

1NF:1st : E_id , E_name , E_Phone_Number , E_area , E_district , Doctors , Medicines_Name, Medicines_type

2NF:1st : E_id , E_name , E_area , E_district , E_Phone_Number

2rd : E_id ,Doctors , Medicines_Name, Medicines_type

3th : E_

id , E_name ,Doctors

3NF: 1st: E_id , E_name, E_Phone_Number

2nd : E_area , E_district

3rd : E_id , Doctors

4th : E_id , Medicines_Name

Final Table

1 V_Id , V_Name , V_Phone_Number

2 E_area , E_district

3 E_id , E_name, E_Phone_Number

4 : E_id , E_name , C_Id , Area

5. E_id , E_name

6. Pass_Id, V_Id,

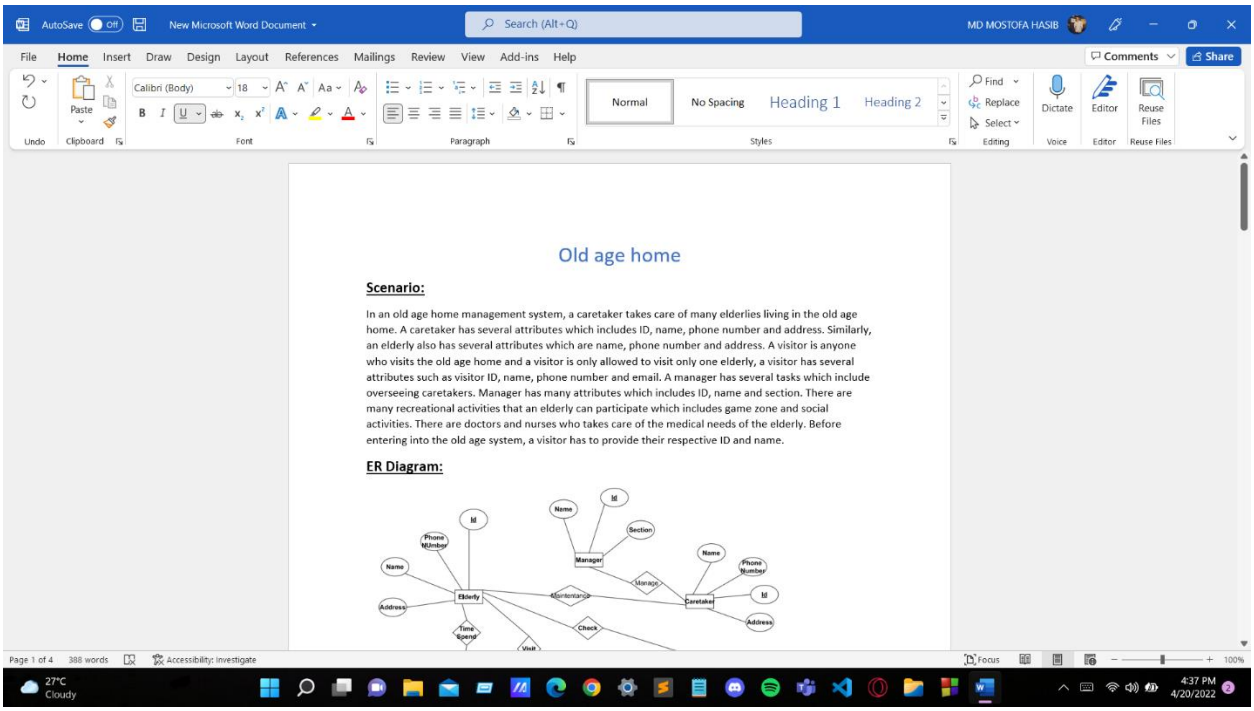
7. V_Id, V_Name , V_email

8. C_Id , C_name

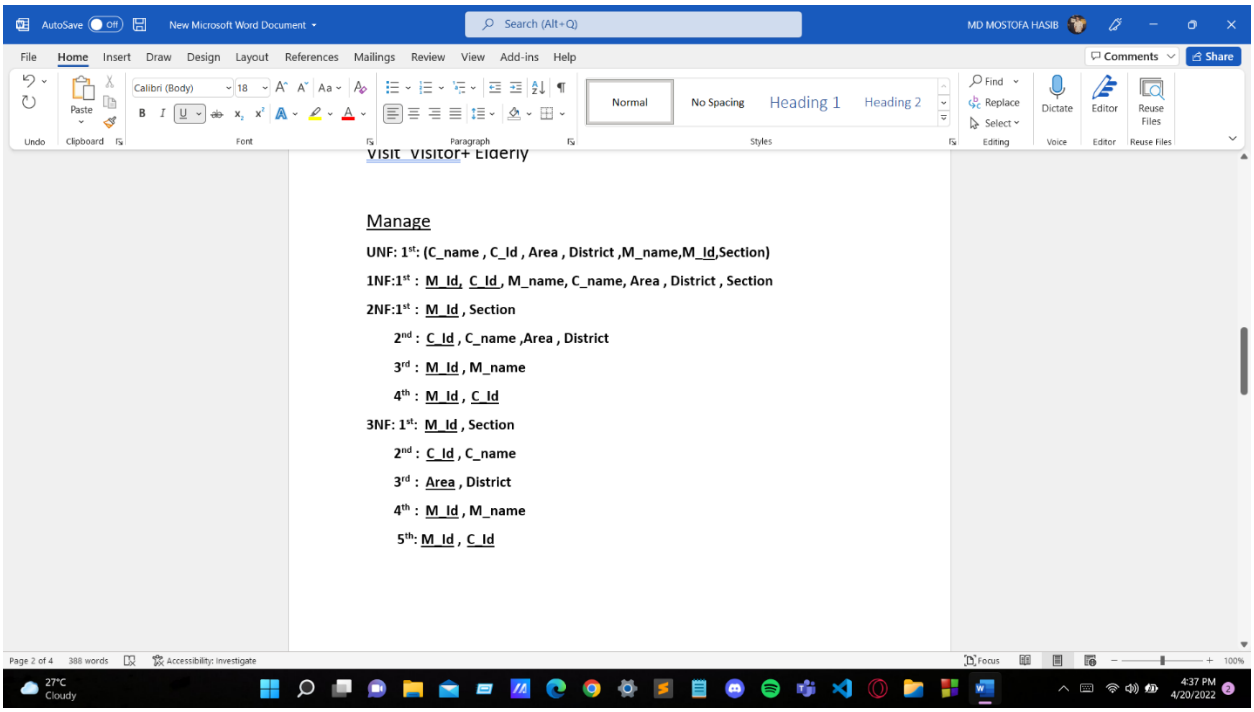
9. : M_Id , M_name

Screenshots:

ALL INFORMATION


AutoSave
New Microsoft Word Document
Search (Alt+Q)
MD MOSTOFA HASIB
File Home Insert Draw Design Layout References Mailings Review View Add-ins Help
Comments
Share
Calibri (Body)
18
Normal
No Spacing
Heading 1
Heading 2
Find
Replace
Select
Dictate
Editor
Reuse Files
Undo
Clipboard
Font
Paragraph
Styles
Editing
Voice
Editor
Reuse Files
Old age home
Scenario:
In an old age home management system, a caretaker takes care of many elderlies living in the old age home. A caretaker has several attributes which includes ID, name, phone number and address. Similarly, an elderly also has several attributes which are name, phone number and address. A visitor is anyone who visits the old age home and a visitor is only allowed to visit only one elderly, a visitor has several attributes such as visitor ID, name, phone number and email. A manager has several tasks which include overseeing caretakers. Manager has many attributes which includes ID, name and section. There are many recreational activities that an elderly can participate which includes game zone and social activities. There are doctors and nurses who takes care of the medical needs of the elderly. Before entering into the old age system, a visitor has to provide their respective ID and name.
ER Diagram:
Id
Phone Number
Name
Address
Elderly
Time Spend
Visit
Check
Monitorance
Manage
Manager
Name
Id
Section
Caretaker
Name
Phone Number
Id
Address
Page 1 of 4
388 words
Accessibility: Investigate
Focus
100%
27°C
Cloudy
4:37 PM
4/20/2022

Normalization part



Visit_Visitor+ Elderly

Manage

UNF: 1st: (C_name , C_Id , Area , District ,M_name,M_Id,Section)

1NF:1st : M_Id, C_Id , M_name, C_name, Area , District , Section

2NF:1st : M_Id , Section

2nd : C_Id , C_name ,Area , District

3rd : M_Id , M_name

4th : M_Id , C_Id

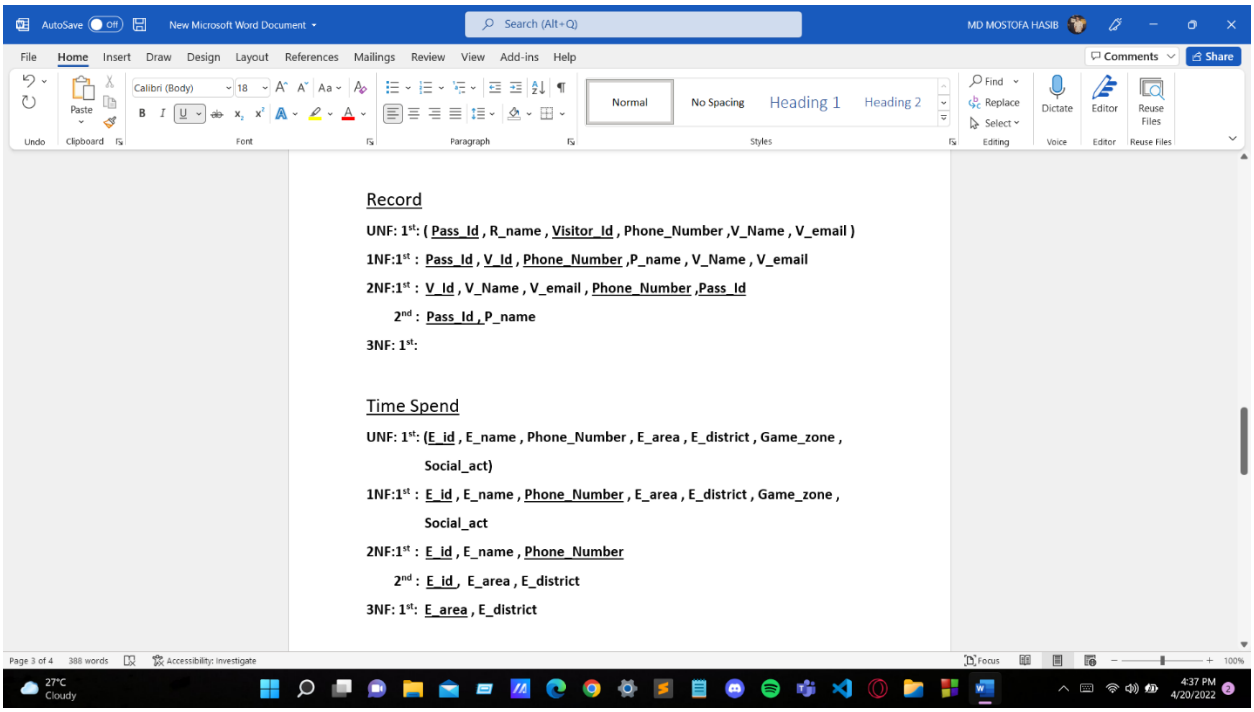
3NF: 1st: M_Id , Section

2nd : C_Id , C_name

3rd : Area , District

4th : M_Id , M_name

5th: M_Id , C_Id



Record

UNF: 1st: (Pass_Id , R_name , Visitor_Id , Phone_Number ,V_Name , V_email)

1NF:1st : Pass_Id , V_Id , Phone_Number ,P_name , V_Name , V_email

2NF:1st : V_Id , V_Name , V_email , Phone_Number ,Pass_Id

2nd : Pass_Id , P_name

3NF: 1st:

Time Spend

UNF: 1st: (E_id , E_name , Phone_Number , E_area , E_district , Game_zone , Social_act)

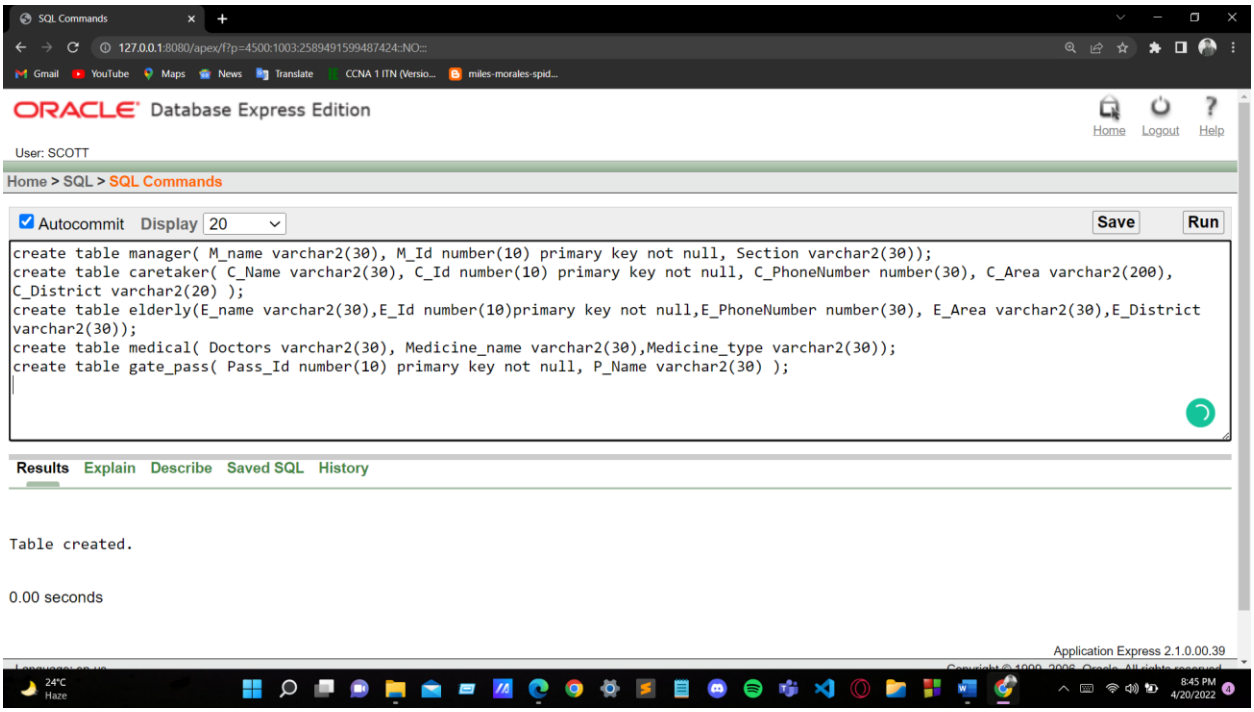
1NF:1st : E_id , E_name , Phone_Number , E_area , E_district , Game_zone , Social_act

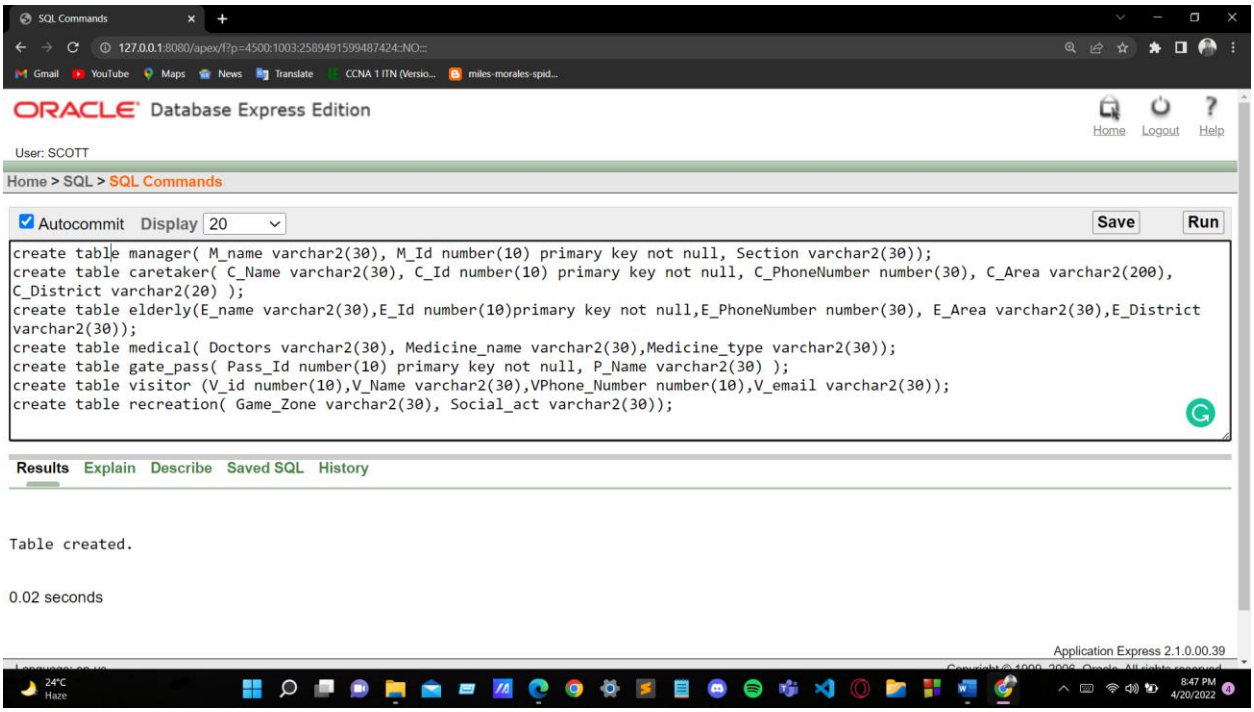
2NF:1st : E_id , E_name , Phone_Number

2nd : E_id , E_area , E_district

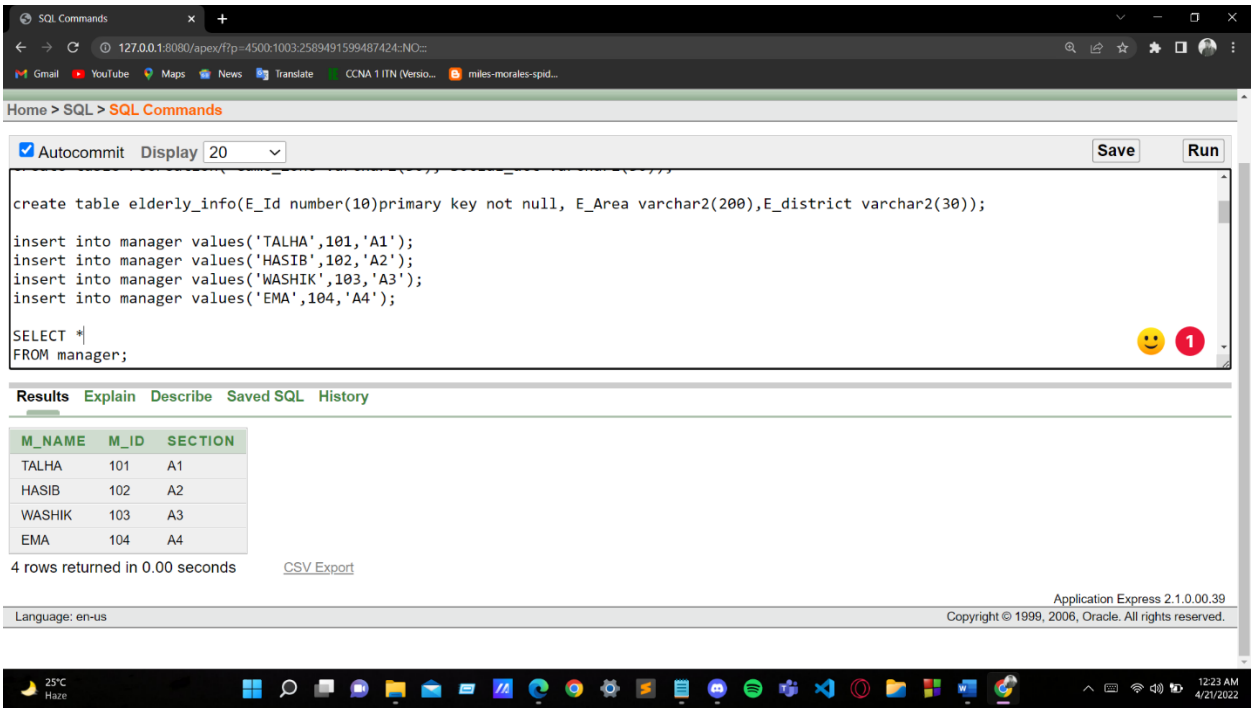
3NF: 1st: E_area , E_district

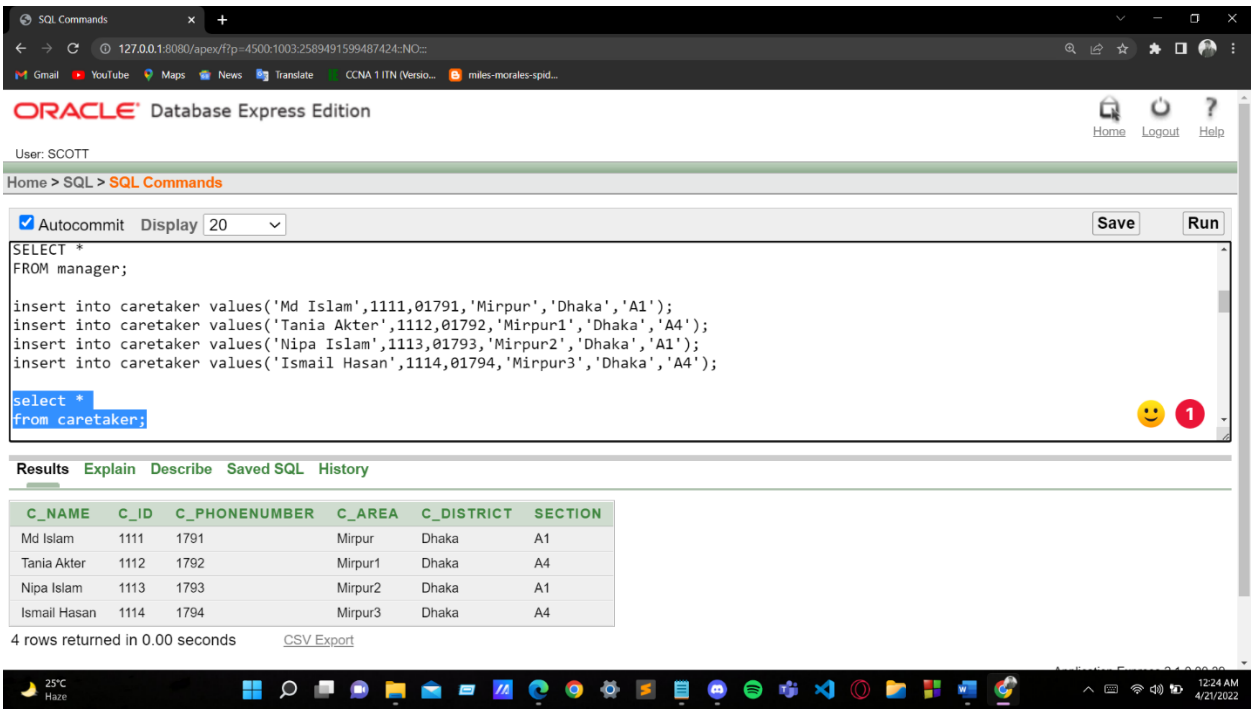
Table Create

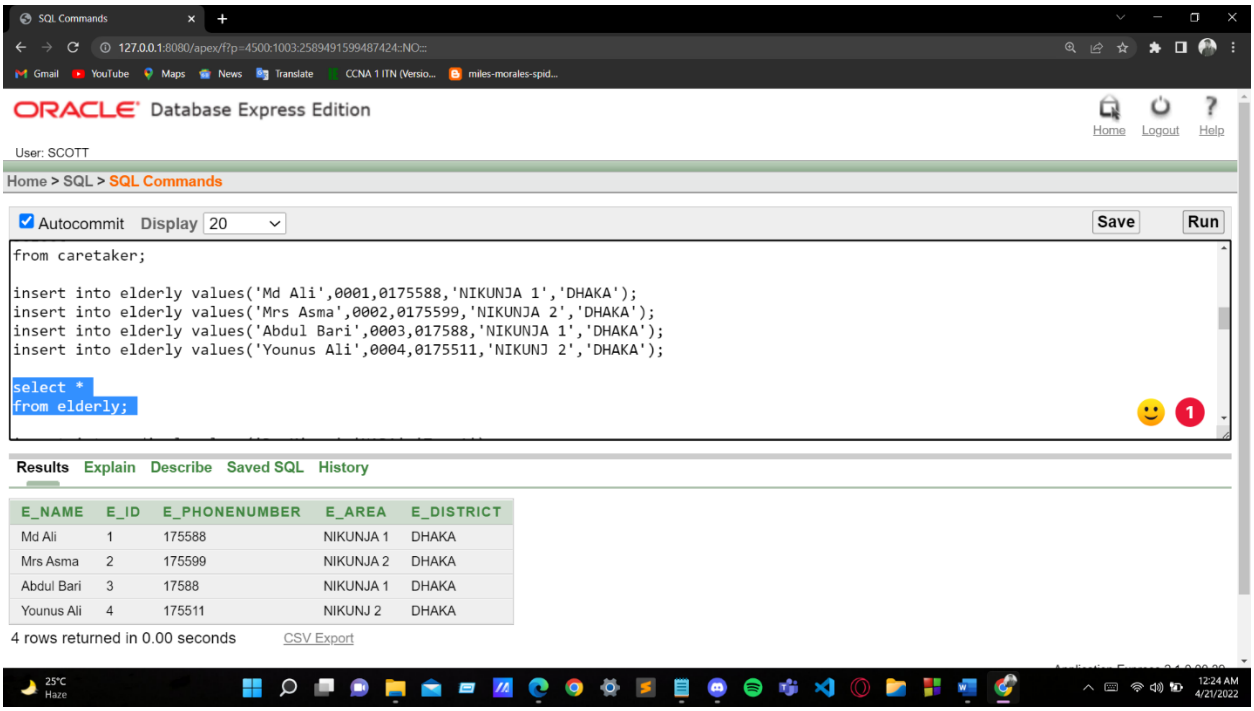


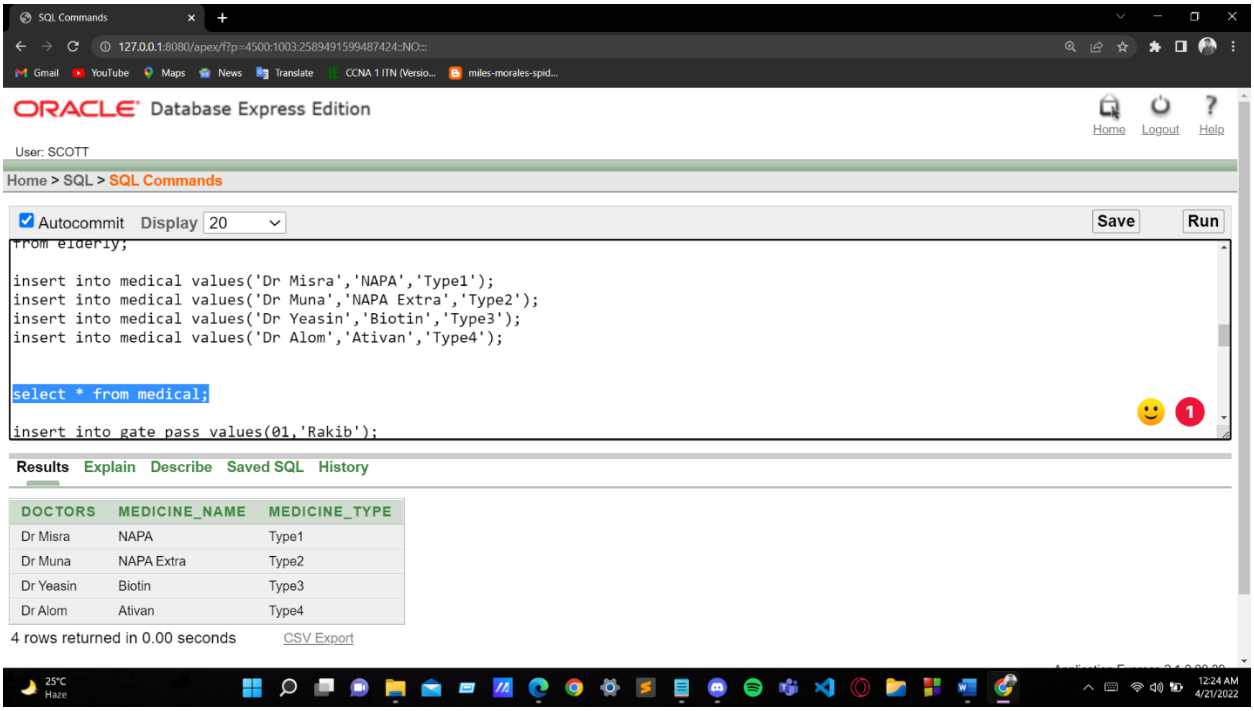


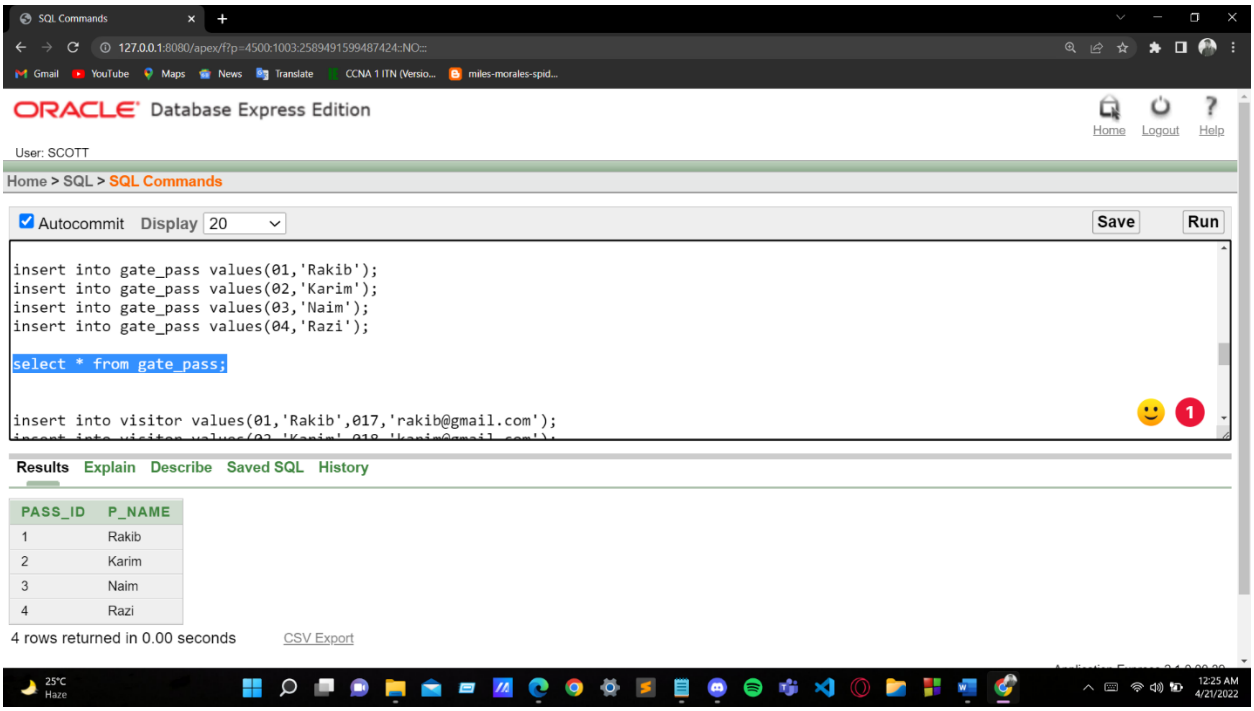
Data Insert

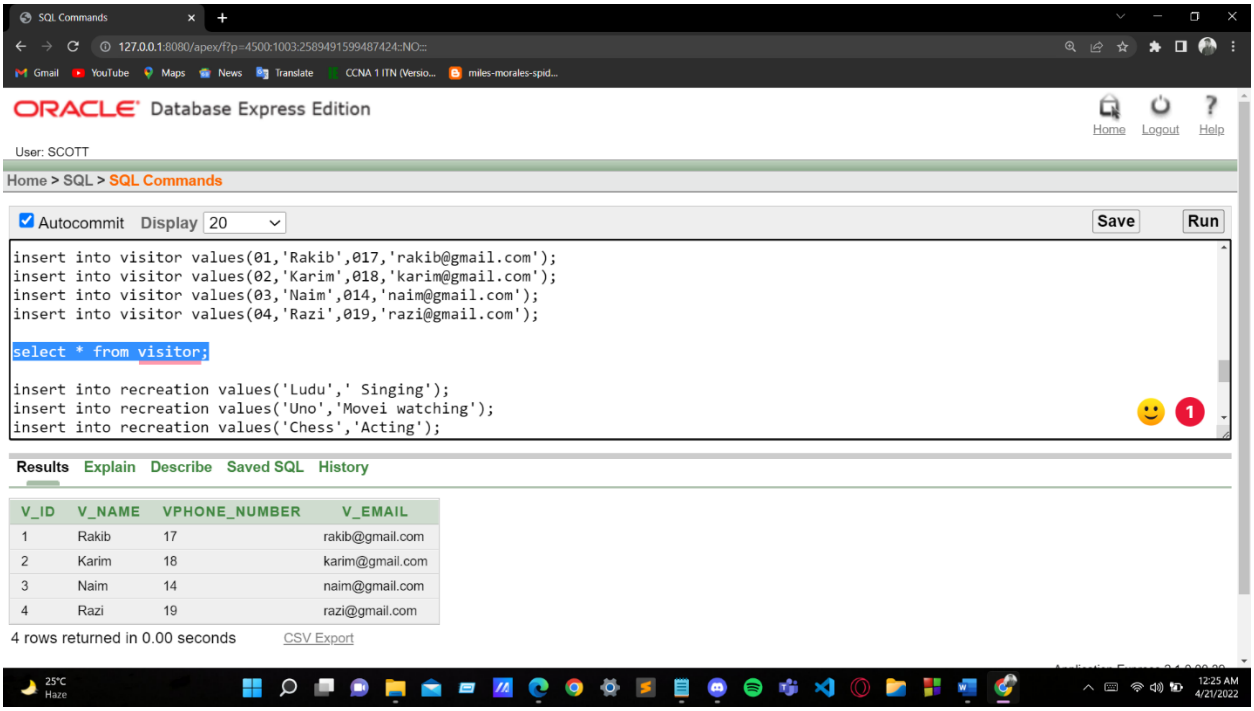

SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Home > SQL > SQL Commands
Autocommit Display 20
Save
Run
create table elderly_info(E_Id number(10)primary key not null, E_Area varchar2(200),E_district varchar2(30));
insert into manager values('TALHA',101,'A1');
insert into manager values('HASIB',102,'A2');
insert into manager values('WASHIK',103,'A3');
insert into manager values('EMA',104,'A4');
SELECT *
FROM manager;
Results Explain Describe Saved SQL History
M_NAME M_ID SECTION
TALHA 101 A1
HASIB 102 A2
WASHIK 103 A3
EMA 104 A4
4 rows returned in 0.00 seconds
CSV Export
Application Express 2.1.0.00.39
Language: en-us
Copyright © 1999, 2006, Oracle. All rights reserved.

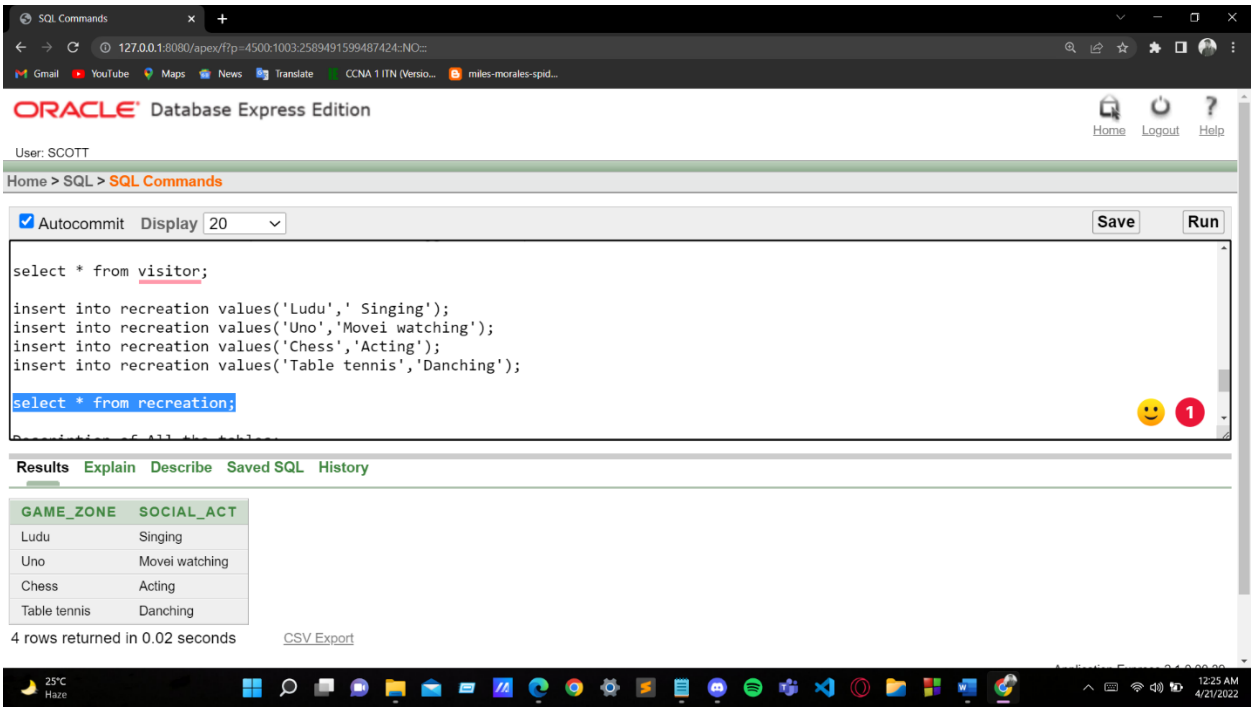

SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
ORACLE Database Express Edition
Home Logout Help
User: SCOTT
Home > SQL > SQL Commands
Autocommit Display 20
Save
Run
SELECT *
FROM manager;
insert into caretaker values('Md Islam',1111,01791,'Mirpur','Dhaka','A1');
insert into caretaker values('Tania Akter',1112,01792,'Mirpur1','Dhaka','A4');
insert into caretaker values('Nipa Islam',1113,01793,'Mirpur2','Dhaka','A1');
insert into caretaker values('Ismail Hasan',1114,01794,'Mirpur3','Dhaka','A4');
select *
from caretaker;
Results Explain Describe Saved SQL History
C_NAME C_ID C_PHONENUMBER C_AREA C_DISTRICT SECTION
Md Islam 1111 1791 Mirpur Dhaka A1
Tania Akter 1112 1792 Mirpur1 Dhaka A4
Nipa Islam 1113 1793 Mirpur2 Dhaka A1
Ismail Hasan 1114 1794 Mirpur3 Dhaka A4
4 rows returned in 0.00 seconds
CSV Export


SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Gmail YouTube Maps News Translate CCNA 1 ITN (Versio... miles-morales-spid...
ORACLE Database Express Edition
Home Logout Help
User: SCOTT
Home > SQL > SQL Commands
Autocommit Display 20
Save Run
from caretaker;
insert into elderly values('Md Ali',0001,0175588,'NIKUNJA 1','DHAKA');
insert into elderly values('Mrs Asma',0002,0175599,'NIKUNJA 2','DHAKA');
insert into elderly values('Abdul Bari',0003,017588,'NIKUNJA 1','DHAKA');
insert into elderly values('Younus Ali',0004,0175511,'NIKUNJ 2','DHAKA');
select *
from elderly;
Results Explain Describe Saved SQL History
E_NAME E_ID E_PHONENUMBER E_AREA E_DISTRICT
Md Ali 1 175588 NIKUNJA 1 DHAKA
Mrs Asma 2 175599 NIKUNJA 2 DHAKA
Abdul Bari 3 17588 NIKUNJA 1 DHAKA
Younus Ali 4 175511 NIKUNJ 2 DHAKA
4 rows returned in 0.00 seconds CSV Export
25°C Haze
12:24 AM 4/21/2022

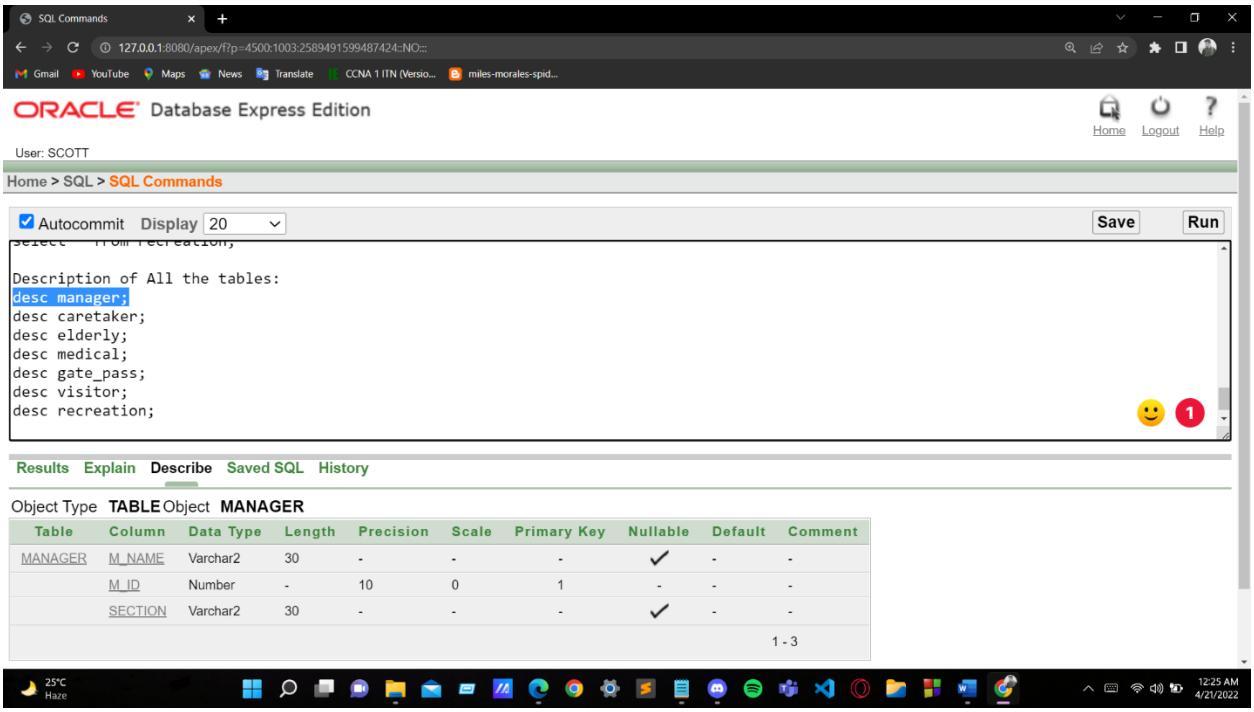

SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Gmail YouTube Maps News Translate CCNA 1 ITN (Versio... miles-morales-spid...
ORACLE Database Express Edition
Home Logout Help
User: SCOTT
Home > SQL > SQL Commands
Autocommit Display 20
Save Run
from elderly;
insert into medical values('Dr Misra','NAPA','Type1');
insert into medical values('Dr Muna','NAPA Extra','Type2');
insert into medical values('Dr Yeasin','Biotin','Type3');
insert into medical values('Dr Alom','Ativan','Type4');
select * from medical;
insert into gate pass values(01,'Rakib');
Results Explain Describe Saved SQL History
DOCTORS MEDICINE_NAME MEDICINE_TYPE
Dr Misra NAPA Type1
Dr Muna NAPA Extra Type2
Dr Yeasin Biotin Type3
Dr Alom Ativan Type4
4 rows returned in 0.00 seconds CSV Export
25°C Haze
12:24 AM 4/21/2022

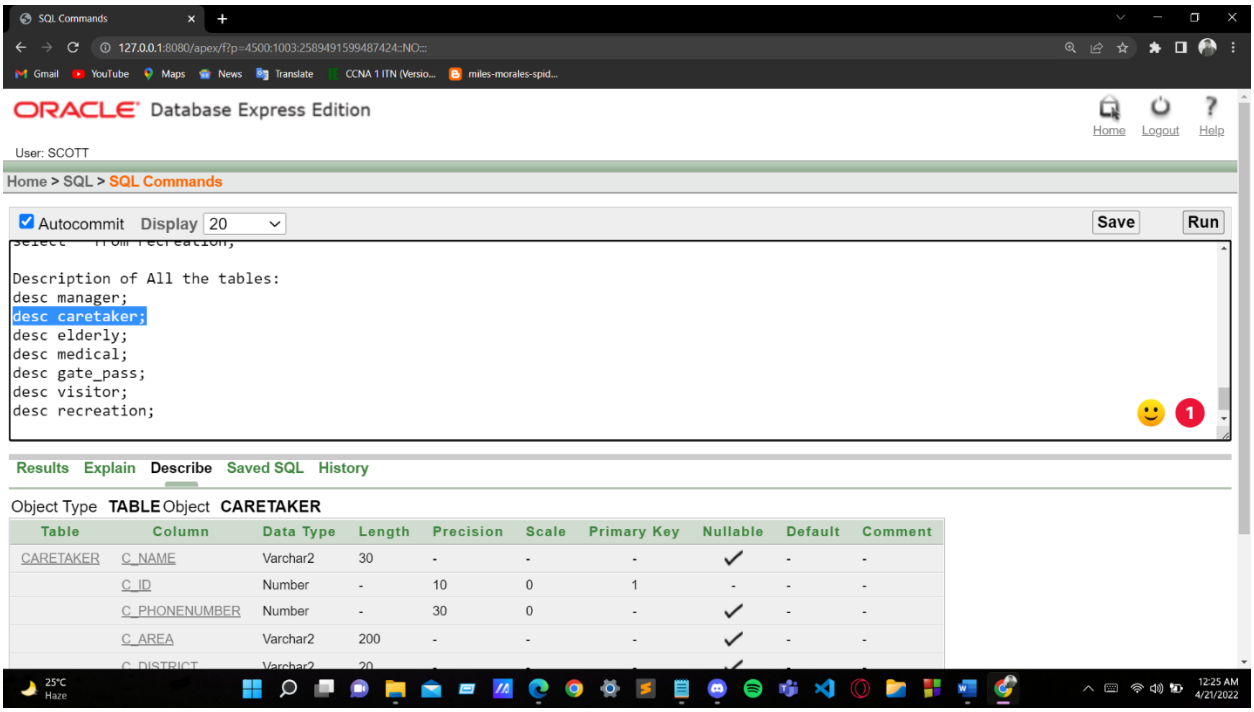

SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Gmail YouTube Maps News Translate CCNA 1 ITN (Versio... miles-morales-spid...
ORACLE Database Express Edition
Home Logout Help
User: SCOTT
Home > SQL > SQL Commands
Autocommit Display 20
Save Run
insert into gate_pass values(01,'Rakib');
insert into gate_pass values(02,'Karim');
insert into gate_pass values(03,'Naim');
insert into gate_pass values(04,'Razi');
select * from gate_pass;
insert into visitor values(01,'Rakib',017,'rakib@gmail.com');
Results Explain Describe Saved SQL History
PASS_ID P_NAME
1 Rakib
2 Karim
3 Naim
4 Razi
4 rows returned in 0.00 seconds CSV Export
25°C Haze
12:25 AM 4/21/2022

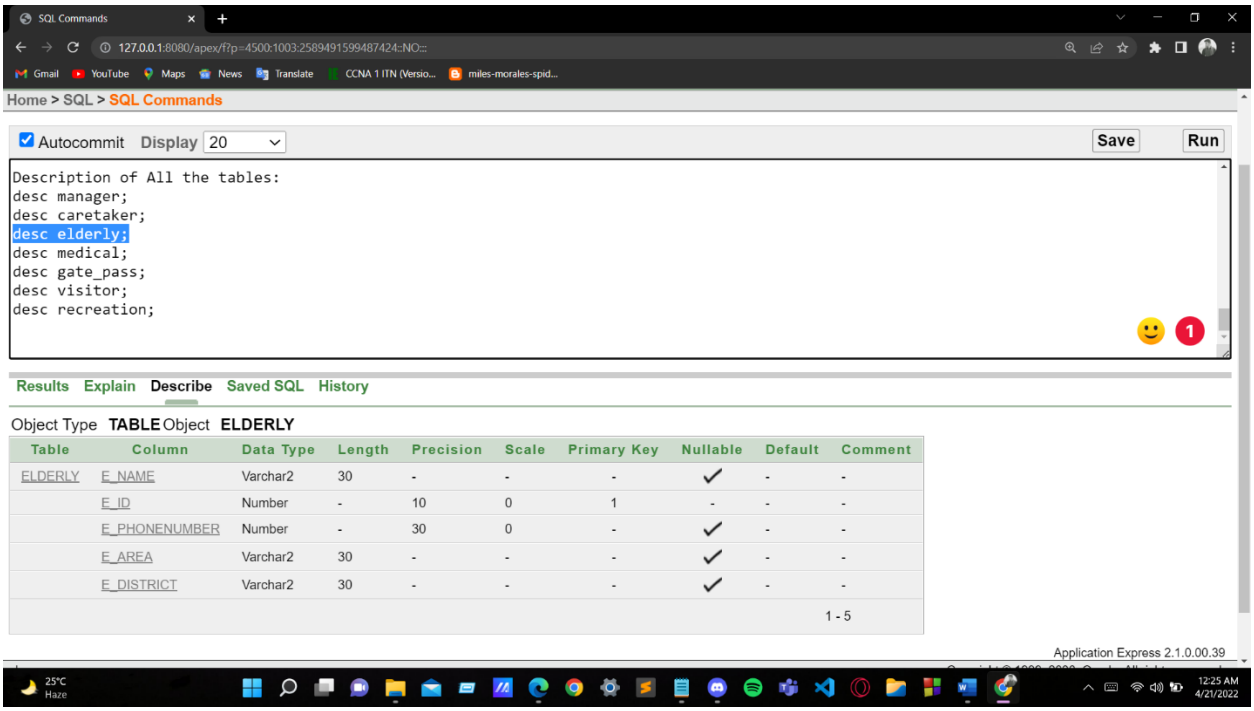

SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Gmail YouTube Maps News Translate CCNA 1 ITN (Versio... miles-morales-spid...
ORACLE Database Express Edition
Home Logout Help
User: SCOTT
Home > SQL > SQL Commands
Autocommit Display 20
Save Run
insert into visitor values(01,'Rakib',017,'rakib@gmail.com');
insert into visitor values(02,'Karim',018,'karim@gmail.com');
insert into visitor values(03,'Naim',014,'naim@gmail.com');
insert into visitor values(04,'Razi',019,'razi@gmail.com');
select * from visitor;
insert into recreation values('Ludu',' Singing');
insert into recreation values('Uno','Movei watching');
insert into recreation values('Chess','Acting');
Results Explain Describe Saved SQL History
V_ID V_NAME VPHONE_NUMBER V_EMAIL
1 Rakib 17 rakib@gmail.com
2 Karim 18 karim@gmail.com
3 Naim 14 naim@gmail.com
4 Razi 19 razi@gmail.com
4 rows returned in 0.00 seconds CSV Export
25°C Haze
12:25 AM 4/21/2022

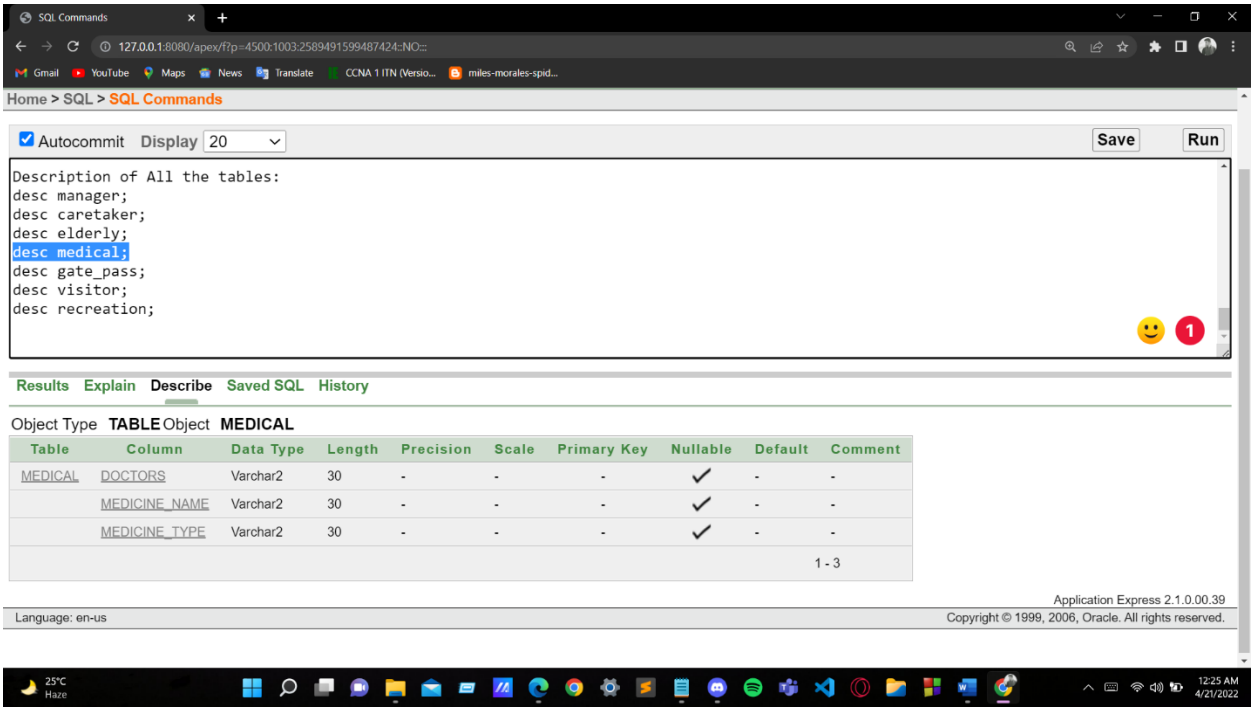

SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Gmail
YouTube
Maps
News
Translate
CCNA 1 ITN (Versio...
miles-morales-spid...
ORACLE Database Express Edition
Home
Logout
Help
User: SCOTT
Home > SQL > SQL Commands
Autocommit
Display 20
Save
Run
select * from visitor;
insert into recreation values('Ludu',' Singing');
insert into recreation values('Uno','Movei watching');
insert into recreation values('Chess','Acting');
insert into recreation values('Table tennis','Danching');
select * from recreation;
Results
Explain
Describe
Saved SQL
History
GAME_ZONE
SOCIAL_ACT
Ludu
Singing
Uno
Movei watching
Chess
Acting
Table tennis
Danching
4 rows returned in 0.02 seconds
CSV Export
25°C
Haze
12:25 AM
4/21/2022

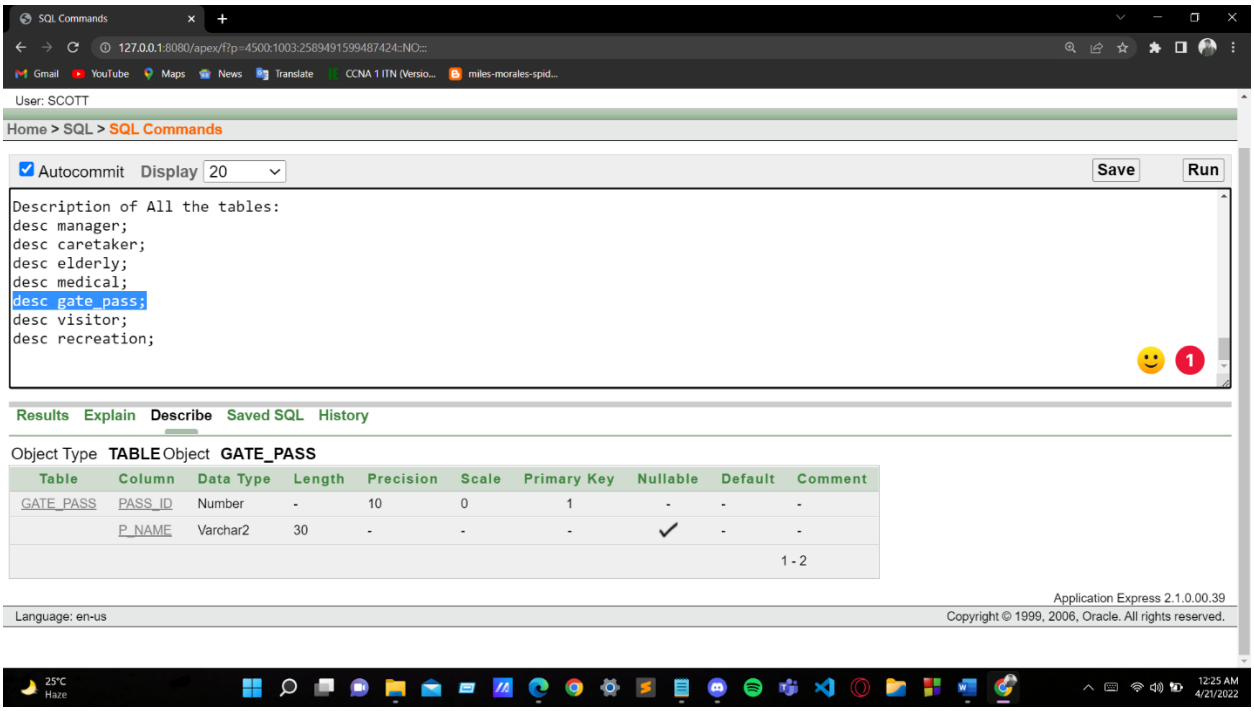
Describe Tables

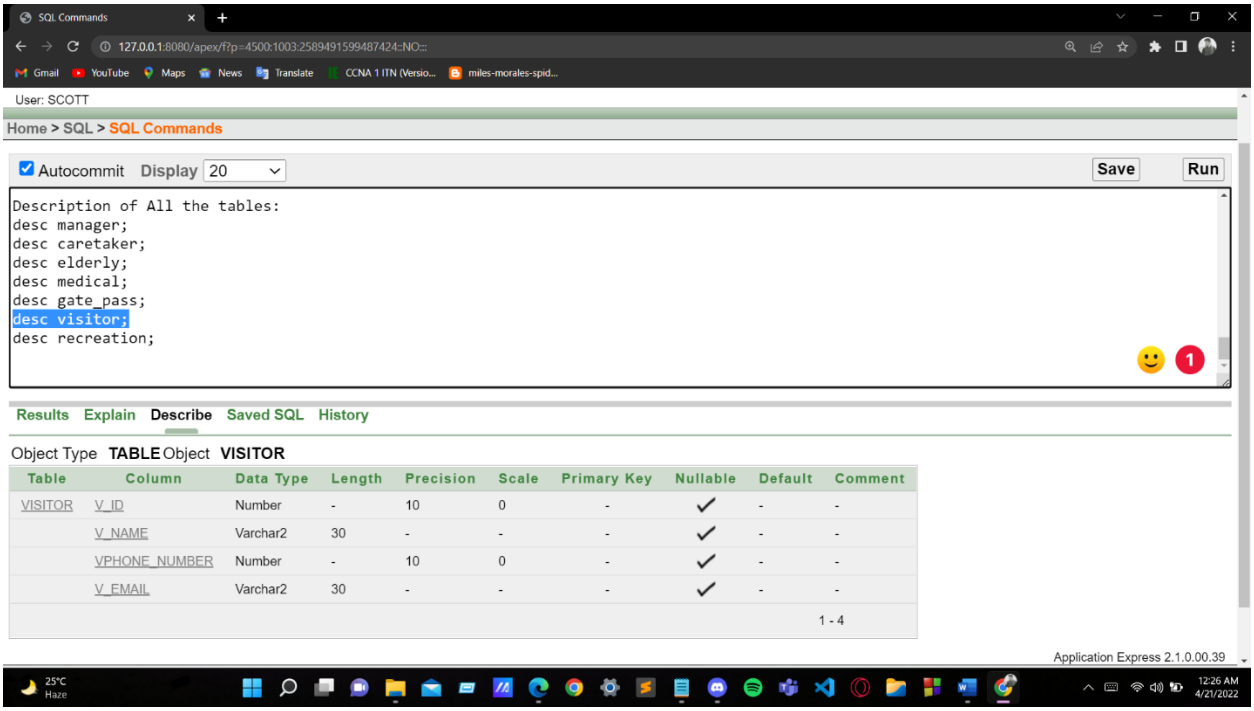


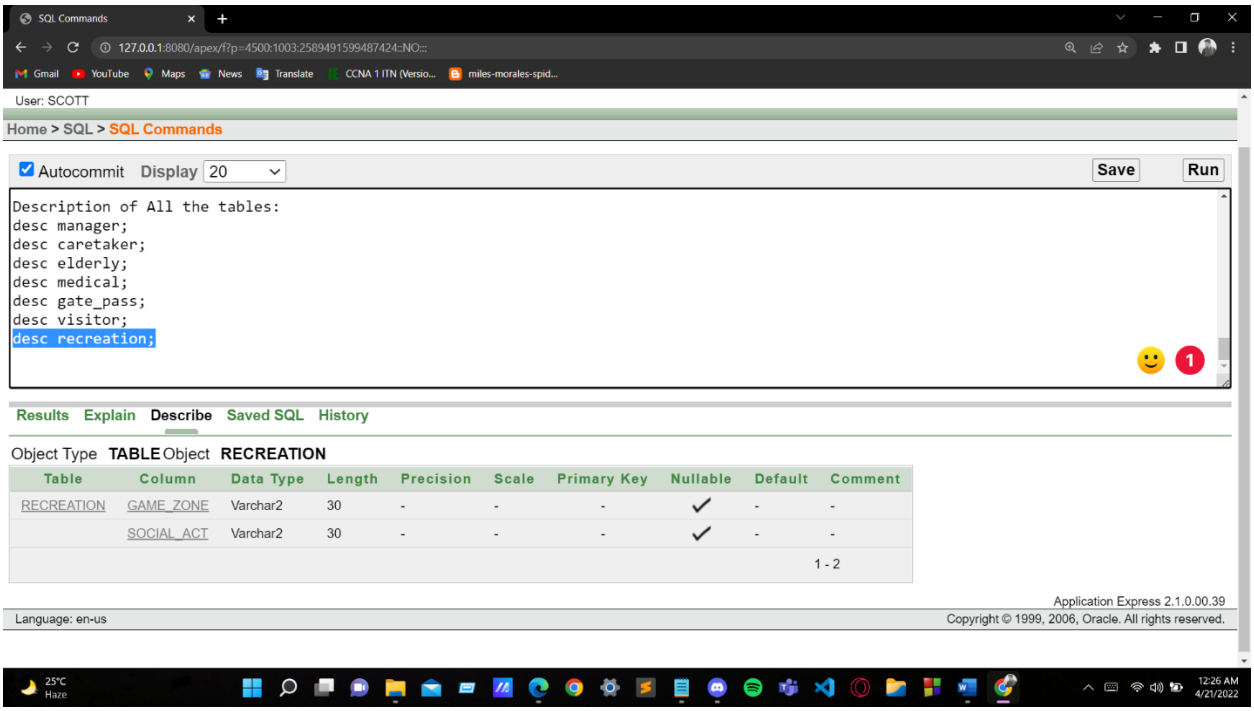



SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Home > SQL > SQL Commands
Autocommit Display 20
Save
Run
Description of All the tables:
desc manager;
desc caretaker;
desc elderly;
desc medical;
desc gate_pass;
desc visitor;
desc recreation;
Results Explain Describe Saved SQL History
Object Type TABLE Object ELDERLY
Table Column Data Type Length Precision Scale Primary Key Nullable Default Comment
ELDERLY E_NAME Varchar2 30 - - - ✓ - -
E_ID Number - 10 0 1 - - -
E_PHONENUMBER Number - 30 0 - ✓ - -
E_AREA Varchar2 30 - - - ✓ - -
E_DISTRICT Varchar2 30 - - - ✓ - -
1 - 5
Application Express 2.1.0.00.39

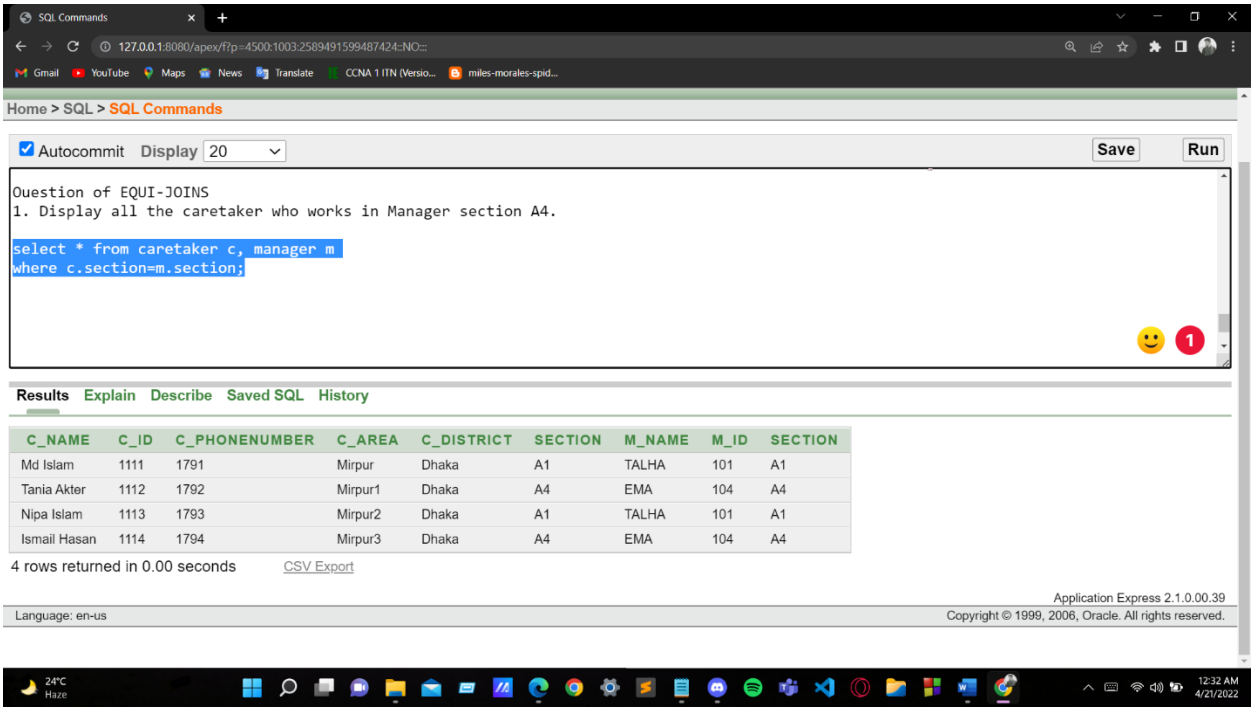

SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Home > SQL > SQL Commands
Autocommit Display 20
Save
Run
Description of All the tables:
desc manager;
desc caretaker;
desc elderly;
desc medical;
desc gate_pass;
desc visitor;
desc recreation;
Results Explain Describe Saved SQL History
Object Type TABLE Object MEDICAL
Table Column Data Type Length Precision Scale Primary Key Nullable Default Comment
MEDICAL DOCTORS Varchar2 30 - - - ✓ - -
MEDICINE_NAME Varchar2 30 - - - ✓ - -
MEDICINE_TYPE Varchar2 30 - - - ✓ - -
1 - 3
Application Express 2.1.0.00.39
Language: en-us
Copyright © 1999, 2006, Oracle. All rights reserved.


SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Gmail YouTube Maps News Translate CCNA 1 ITN (Versio... miles-morales-spid...
User: SCOTT
Home > SQL > SQL Commands
Autocommit Display 20
Save
Run
Description of All the tables:
desc manager;
desc caretaker;
desc elderly;
desc medical;
desc gate_pass;
desc visitor;
desc recreation;
Results Explain Describe Saved SQL History
Object Type TABLE Object GATE_PASS
Table Column Data Type Length Precision Scale Primary Key Nullable Default Comment
GATE_PASS PASS_ID Number - 10 0 1 - - -
P_NAME Varchar2 30 - - - ✓ - -
1 - 2
Application Express 2.1.0.00.39
Language: en-us
Copyright © 1999, 2006, Oracle. All rights reserved.
25°C Haze
12:25 AM 4/21/2022

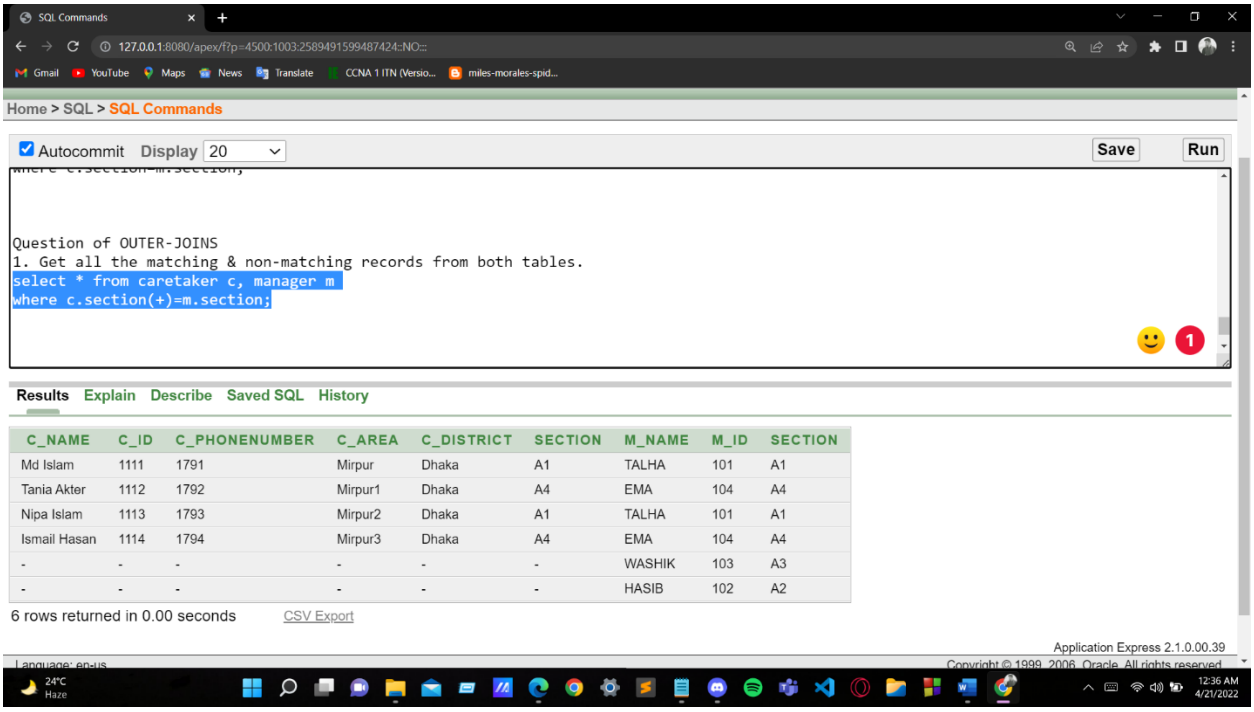

SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Gmail YouTube Maps News Translate CCNA 1 ITN (Versio... miles-morales-spid...
User: SCOTT
Home > SQL > SQL Commands
Autocommit Display 20
Save
Run
Description of All the tables:
desc manager;
desc caretaker;
desc elderly;
desc medical;
desc gate_pass;
desc visitor;
desc recreation;
Results Explain Describe Saved SQL History
Object Type TABLE Object VISITOR
Table Column Data Type Length Precision Scale Primary Key Nullable Default Comment
VISITOR V_ID Number - 10 0 - ✓ - -
V_NAME Varchar2 30 - - - ✓ - -
VPHONE_NUMBER Number - 10 0 - ✓ - -
V_EMAIL Varchar2 30 - - - ✓ - -
1 - 4
Application Express 2.1.0.00.39
25°C Haze
12:26 AM 4/21/2022


SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Gmail YouTube Maps News Translate CCNA 1 ITN (Versio... miles-morales-spid...
User: SCOTT
Home > SQL > SQL Commands
Autocommit Display 20
Save
Run
Description of All the tables:
desc manager;
desc caretaker;
desc elderly;
desc medical;
desc gate_pass;
desc visitor;
desc recreation;
Results Explain Describe Saved SQL History
Object Type TABLE Object RECREATION
Table Column Data Type Length Precision Scale Primary Key Nullable Default Comment
RECREATION GAME_ZONE Varchar2 30 - - - ✓ - -
SOCIAL_ACT Varchar2 30 - - - ✓ - -
1 - 2
Application Express 2.1.0.00.39
Language: en-us
Copyright © 1999, 2006, Oracle. All rights reserved.
25°C Haze
12:26 AM 4/21/2022

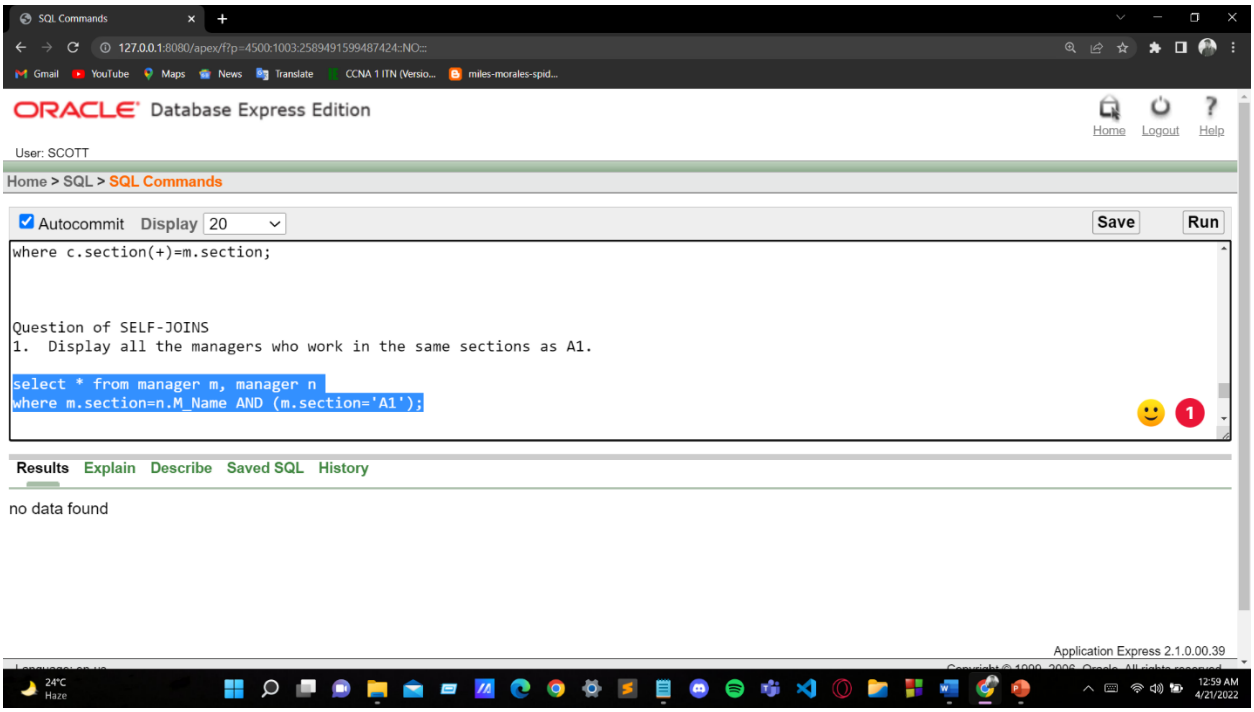
Equi-Joins


SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2589491599487424::NO:::
Gmail YouTube Maps News Translate CCNA 1 ITN (Versio... miles-morales-spid...
Home > SQL > SQL Commands
Autocommit Display 20
Save
Run
Ouestion of EQUI-JOINS
1. Display all the caretaker who works in Manager section A4.
select * from caretaker c, manager m
where c.section=m.section;
Results Explain Describe Saved SQL History
C_NAME C_ID C_PHONENUMBER C_AREA C_DISTRICT SECTION M_NAME M_ID SECTION
Md Islam 1111 1791 Mirpur Dhaka A1 TALHA 101 A1
Tania Akter 1112 1792 Mirpur1 Dhaka A4 EMA 104 A4
Nipa Islam 1113 1793 Mirpur2 Dhaka A1 TALHA 101 A1
Ismail Hasan 1114 1794 Mirpur3 Dhaka A4 EMA 104 A4
4 rows returned in 0.00 seconds
CSV Export
Application Express 2.1.0.00.39
Language: en-us
Copyright © 1999, 2006, Oracle. All rights reserved.
24°C Haze
12:32 AM 4/21/2022

Outer-Joins



Self-Joins



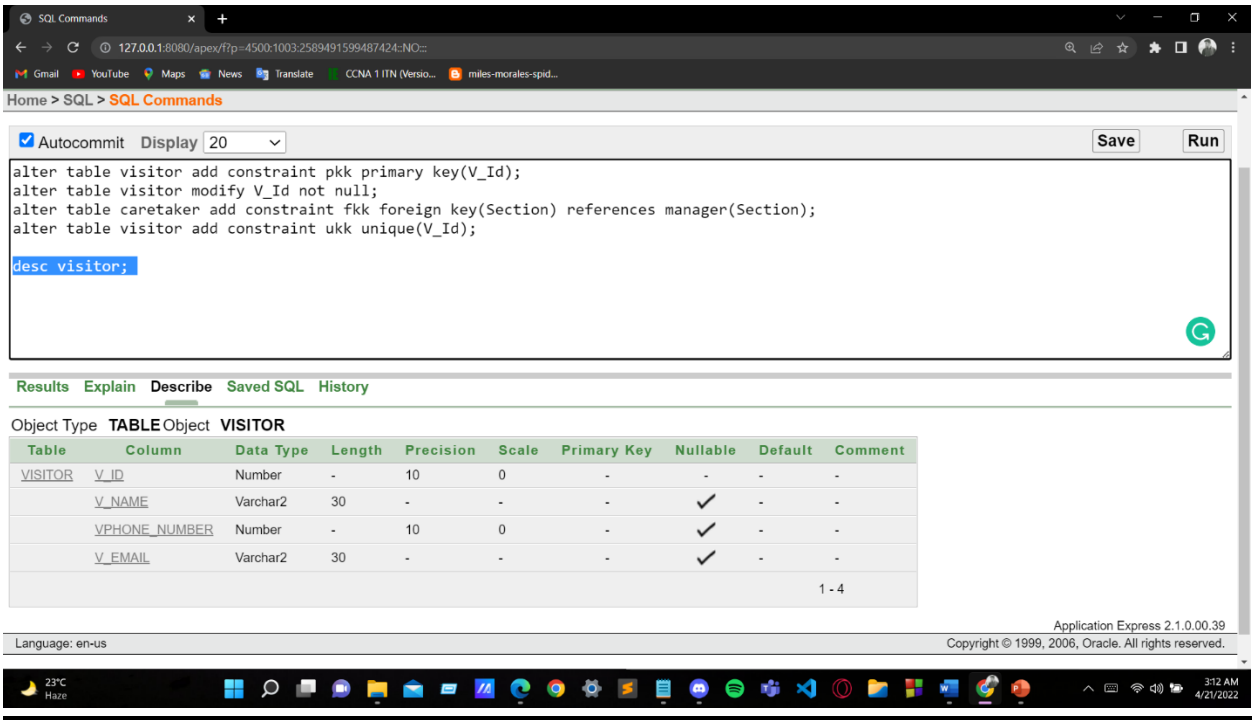
Constraints used:

Primary key

Not Null

Foreign Key

Unique



NB: Foreign key has been used as the final table of normalization suggest in that manner. The two screenshots given upwards are there to give a view of two other constraint being used, unique and not null

Questions & answer:

Question of EQUI-JOINS

1. Display all the caretaker who works in Manager section A4.

```
select * from caretaker c, manager m
where c.section=m.section;
```

Question of OUTER-JOINS

1. Get all the matching & non-matching records from both tables.

```
select * from caretaker c, manager m
where c.section(+)=m.section;
```

Question of SELF-JOINS

1. Display all the managers who work in the same sections as A1.

```
select * from manager m, manager n
where m.section=n.M_Name AND (m.section='A1');
```

Sequence and View

```
create view carevu12
as select C_Id,C_Name
from Caretaker
where Section='A1';
```

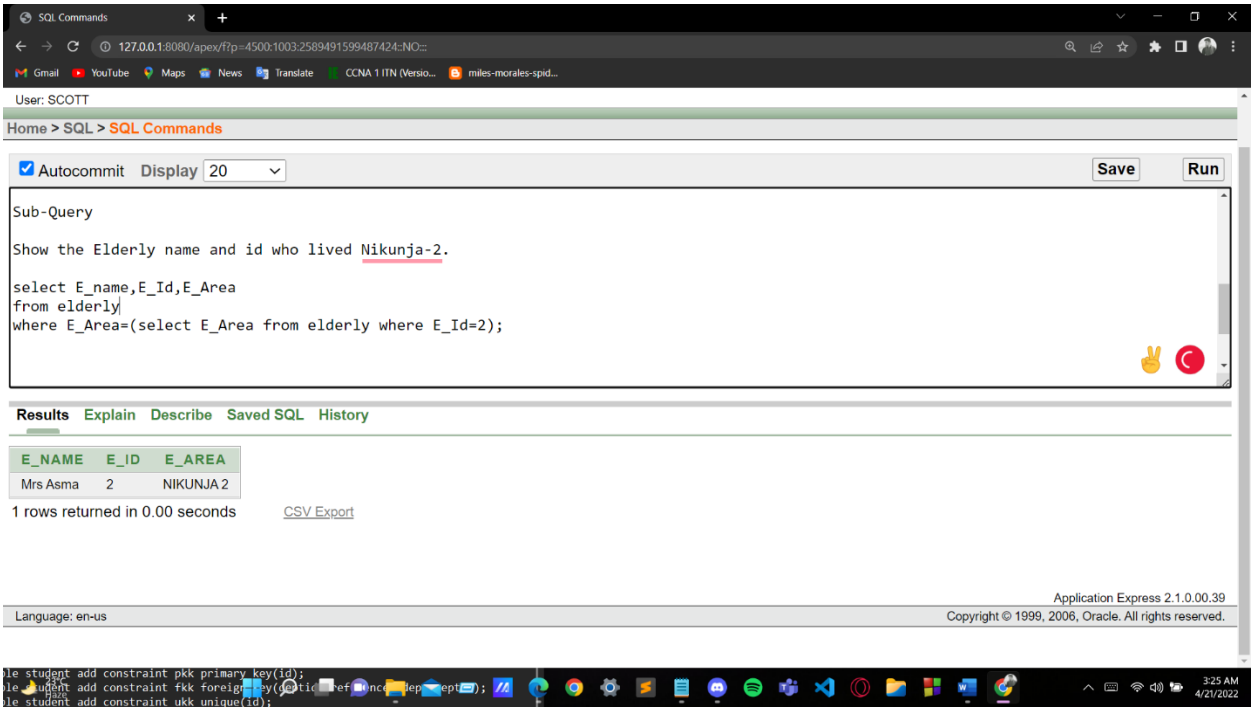
Subquery

1.Show the Elderly name and id who lived Nikunja-2.

select E_name,E_Id,E_Area

from elderly

where E_Area=(select E_Area from elderly where E_Id=2);



Extras:

All the Queries for the project

create table manager(M_name varchar2(30), M_Id number(10) primary key not null, Section varchar2(30));

create table caretaker(C_Name varchar2(30), C_Id number(10) primary key not null, C_PhoneNumber number(30), C_Area varchar2(200), C_District varchar2(20),Section varchar2(30));

```
create table elderly(E_name varchar2(30),E_Id number(10)primary key not null,E_PhoneNumber number(30), E_Area varchar2(30),E_District varchar2(30));

create table medical( Doctors varchar2(30), Medicine_name varchar2(30),Medicine_type varchar2(30));

create table gate_pass( Pass_Id number(10) primary key not null, P_Name varchar2(30) );

create table visitor (V_id number(10),V_Name varchar2(30),VPhone_Number number(10),V_email varchar2(30));

create table recreation( Game_Zone varchar2(30), Social_act varchar2(30));


create table elderly_info(E_Id number(10)primary key not null, E_Area varchar2(200),E_district varchar2(30));

insert into manager values('TALHA',101,'A1');

insert into manager values('HASIB',102,'A2');

insert into manager values('WASHIK',103,'A3');

insert into manager values('EMA',104,'A4');

SELECT *

FROM manager;

insert into caretaker values('Md Islam',1111,01791,'Mirpur','Dhaka','A1');

insert into caretaker values('Tania Akter',1112,01792,'Mirpur1','Dhaka','A4');

insert into caretaker values('Nipa Islam',1113,01793,'Mirpur2','Dhaka','A1');

insert into caretaker values('Ismail Hasan',1114,01794,'Mirpur3','Dhaka','A4');

select *

from caretaker;


insert into elderly values('Md Ali',0001,0175588,'NIKUNJA 1','DHAKA');
```

```
insert into elderly values('Mrs Asma',0002,0175599,'NIKUNJA 2','DHAKA');
insert into elderly values('Abdul Bari',0003,017588,'NIKUNJA 1','DHAKA');
insert into elderly values('Younus Ali',0004,0175511,'NIKUNJ 2','DHAKA');

select *
from elderly;
insert into medical values('Dr Misra','NAPA','Type1');
insert into medical values('Dr Muna','NAPA Extra','Type2');
insert into medical values('Dr Yeasin','Biotin','Type3');
insert into medical values('Dr Alom','Ativan','Type4');

select * from medical;
insert into gate_pass values(01,'Rakib');
insert into gate_pass values(02,'Karim');
insert into gate_pass values(03,'Naim');
insert into gate_pass values(04,'Razi');
select * from gate_pass;

insert into visitor values(01,'Rakib',017,'rakib@gmail.com');
insert into visitor values(02,'Karim',018,'karim@gmail.com');
insert into visitor values(03,'Naim',014,'naim@gmail.com');
insert into visitor values(04,'Razi',019,'razi@gmail.com');
select * from visitor;
insert into recreation values('Ludu',' Singing');
```

insert into recreation values('Uno','Movei watching');

insert into recreation values('Chess','Acting');

insert into recreation values('Table tennis','Danching');

select * from recreation;

Description of All the tables:

desc manager;

desc caretaker;

desc elderly;

desc medical;

desc gate_pass;

desc visitor;

desc recreation;

Ouestion of EQUI-JOINS

1. Display all the caretaker who works in Manager section A4.

select * from caretaker c, manager m

where c.section=m.section;

Question of OUTER-JOINS

1. Get all the matching & non-matching records from both tables.

select * from caretaker c, manager m

where c.section(+)=m.section;

Question of SELF-JOINS

1. Display all the managers who work in the same sections as A1.

select * from manager m, manager n

where m.section=n.M_Name AND (m.section='A1');

alter table visitor add constraint pkk primary key(V_Id);

alter table visitor modify V_Id not null;

alter table caretaker add constraint fkk foreign key(Section) references manager(Section);

alter table visitor add constraint ukk unique(V_Id);

desc visitor;

create view carevu12

as select C_Id,C_Nam

from Caretaker

where Section='A1';

Sub-Query

Show the Elderly name and id who lived Nikunja-2.

select E_name,E_Id,E_Area

from elderly

where E_Area=(select E_Area from elderly where E_Id=2);