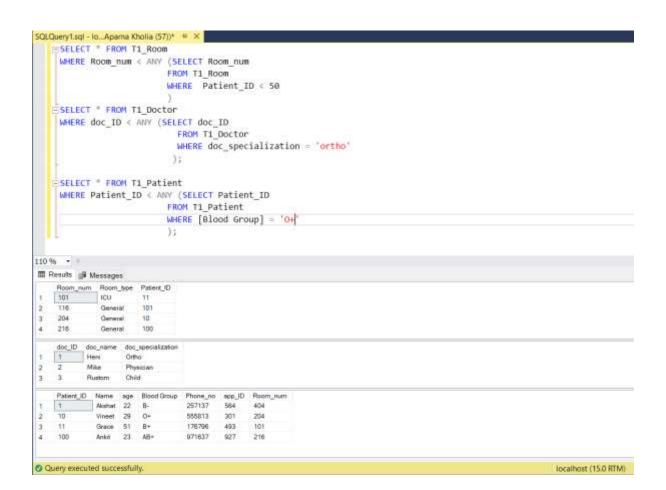
DBMS Lab Assignment 5

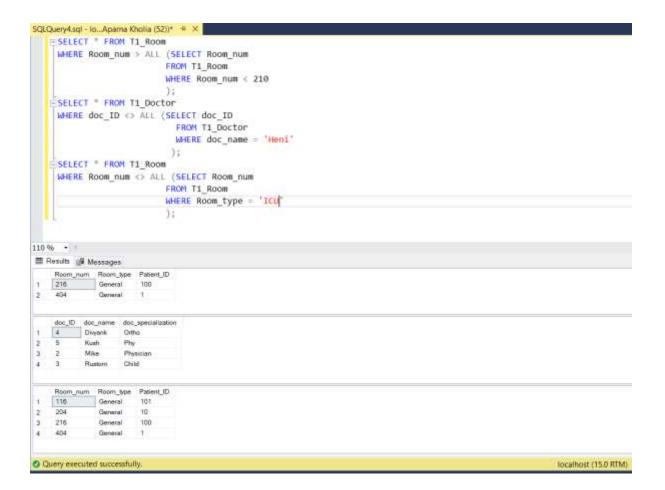
Name: Aparna Kholia Reg No.: 19BCS116

1)

1.1) USE OF ANY



1.2) USE OF ALL



1.3) USE OF LIKE

```
SQLCDeryScal-lo. Aparma Knola (S2)* • X

SELECT Name FROM T1_patient
WHERE Name like 'A%'

ESELECT Name FROM T1_patient
WHERE Name like '%'

ESELECT Name FROM T1_patient
WHERE Name like '%'

Assats

Name
1 Assats
2 Area

Name
1 Assats
2 Area

Name
1 Obset
1 Obset
```

DIFFERENCE BETWEEN ANY AND ALL

```
SCLECT * FROM T1_room

WHERE Room_num < Africal Annum (SELECT Room_num FROM T1_room WHERE Room_num < 300 and Room_num > 150
):

E-SELECT * FROM T1_room WHERE Room_num > 340 and Room_num > 150
):

WHERE Room_num > ALL (SELECT Room_num FROM T1_room WHERE Room_num < 300 and Room_num > 150
);

133 % + 1

Where Room_num > 350 and Room_num > 150
);

137 % - 1

Market Room_num | Room_num |
```

2.1) AVG

```
SCLOvery sequeted successfully.
```

2.2) COUNT

```
SCICOvery targit - to Appares Worlds (57) ** **

SELECT COUNT(*)

FROM T1_Room

WHERE Room_num>110;

133 % **

Bill Reaching Messages

Decatum server

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Decatum server

Secure server

Decatum server

Secure server

Sec
```

2.3) MAX

2.4) MIN

```
SOLCO-wyllod-lo-Appens Kholis (57)* * X

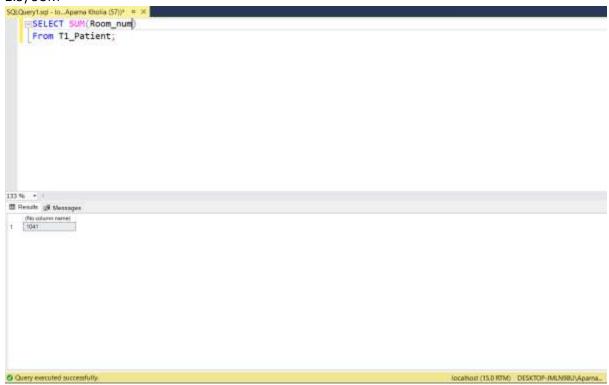
ISSELECT MIN(Room_num)

From T1_Patient;

III Reserve (150 Marsages)

Reserve (150 Marsages)
```

2.5) SUM



3.1) ORDER BY

3.2) GROUP BY and HAVING

4.1) AVG

```
SQLEDeyTsql-Is_Appere Onlis (57)% 4 X

ESELECT AVG (doc_ID) FROM TI_Doctor

GROUP BY doc_specialization

HAVING doc_specialization="orthol";

II Secarb (# Mexangers)

Obsorbers (SEA MEXANGERS)
```

4.2) COUNT

```
SOLOwy tod - to, Apama Chola (57)* 

SELECT count (patient id) FROM Ti_Patient

GROUP BY [Blood Group]

HAVING [Blood Group]* 'O+'];

Blood froup By Blood Group]

Ob orders none

Do Outer (executed accessfully).
```

4.3)Max

```
SCLOrey (sql -in Apama Xecita O7)* * X

SELECT max (patient_id) FROM Ti_Patient

GROUP BY [8lood Group]

HAVING [8lood Group] * O+ '; |

Blood Group] * O+ '; |

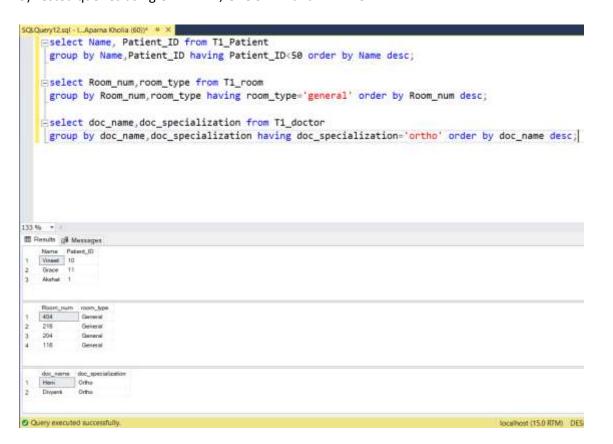
Continue to the state of t
```

4.4) Min



4.5) Sum

5) Nested queries using ORDER BY, GROUP BY and HAVING



CODE:

```
SSELECT doc_ID FROM Ti_opointment;

ESELECT * FROM Ti_appointment
HHERE exists(SELECT doc_ID FROM Ti_Doctor WHERE doc_IO <500 and Ti_appointment.doc_ID=Ti_Doctor.doc_ID);

ESELECT * FROM Ti_appointment
HHERE not exists(SELECT doc_ID FROM Ti_Doctor WHERE doc_ID <5 and Ti_appointment.doc_ID=Ti_Doctor.doc_ID);

ESELECT doc_ID FROM Ti_appointment
UNION
SELECT doc_ID FROM Ti_appointment
UNION
SELECT doc_ID FROM Ti_appointment
INTERSECT
SELECT doc_ID FROM Ti_appointment
INTERSECT
SELECT doc_ID FROM Ti_Doctor;
```

OUTPUT:

7.1) Inner join

```
| Select Ti_Doctor doc_ID,Ti_Doctor.doc_ID=Ti_appointment.doc_ID;
| Select Ti_Patient.name,Ti_Patient.patient_id
| from Ti_Patient
| inner join Ti_appointment on Ti_com.Room_type='ICU' AND Ti_room.Room_num=Ti_Patient.Room_num;
| Select Ti_Patient.name,Ti_Patient.patient_id
| from Ti_Patient.name,Ti_Patient.app_time='12:30' AND Ti_appointment.app_ID=Ti_Patient.app_ID;
| Inner join Ti_appointment on Ti_appointment.app_time='12:30' AND Ti_appointment.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_Patient.app_ID=Ti_
```

7.2) left outer join

```
INNERION and - to., Apartia thotal (600) - 4 >
     select T1_Doctor.doc_ID,T1_Doctor.doc_name
      from T1_Doctor
     left outer join T1_appointment on T1_Doctor.doc_ID=T1_appointment.doc_ID;
    select T1_Patient.name,T1_Patient.patient_id
   from T1_Patient
left outer join T1_room on T1_room.Room_type="ICU" AND T1_room.Room_num=T1_Patient.Room_num;
    select T1_Patient.name,T1_Patient.patient_id
     from T1_Patient
    left outer join T1_appointment on T1_appointment.app_time="12:30" AND T1_appointment.app_ID=T1_Patient.app_ID;
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Visee 11
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```

7.3) Right outer join

```
INNERODIN soj - Io. Apama Khotia (60)/* = X
    select T1_Doctor.doc_ID,T1_Doctor.doc_name
      from T1 Doctor
   right outer join T1_appointment on T1_Doctor.doc_ID=T1_appointment.doc_ID;
   select T1_Patient.name, T1_Patient.patient_id
     from T1_Patient
   right outer join T1_room on T1_room.Room_type='ICU' AND T1_room.Room_num=T1_Patient.Room_num;
   Eselect T1_Patient.name,T1_Patient.patient_id
     from T1_Patient
     right outer join T1_appointment on T1_appointment.app_time='12:30' AND T1_appointment.app_ID=T1_Patient.app_ID;
133% - 4 ....
III Rasults gli Massages
   doc_ID doc_name

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   name patient of
Staubah 101
NULL NULL
    NULL
           MULL
                                                                                                            localhoid (15.0 RTM) DESKTOP-IMINSBUNApama. Hospital (

    Query executed successfully
```

8) JOIN

