

UCT402 Database Management Systems Lab Assignments

Submitted by: 102018055 - Akshat Singla

**BE Second Year, CSBS
Group No: 2CSBS3**

**Submitted To: Dr. Rinkle Rani
Ms. Shruti Arora**



**Computer Science & Engineering Department
TIET, Patiala**

02 May 2022



Actions ▾

Edit Attributes

Run Script

Name	Lab Assignment 1
Description	Akshat Singla 102018055 Lab Assignment 1
Area	-
Visibility	Private - you are the only person who can access
Tags	-
Script Results	We cannot determine the last run date for this script. What's This?
Last Updated	Saturday April 30, 2022 (Created 2 months ago)
Metrics	16 Statements, 940 bytes

Statement 1	<pre>create table Student (rno number(9), name varchar(20), dob date, gender char(1), clas varchar(4), college varchar(50), city varchar(40), marks number(5))</pre> <p>Table created.</p>															
Statement 2	<pre>desc Student</pre> <p>TABLE STUDENT</p> <table border="1"> <thead> <tr> <th>Column</th> <th>Null?</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>RNO</td> <td>-</td> <td>NUMBER(9,0)</td> </tr> <tr> <td>NAME</td> <td>-</td> <td>VARCHAR2(20)</td> </tr> <tr> <td>DOB</td> <td>-</td> <td>DATE</td> </tr> <tr> <td>GENDER</td> <td>-</td> <td>CHAR(1)</td> </tr> </tbody> </table>	Column	Null?	Type	RNO	-	NUMBER(9,0)	NAME	-	VARCHAR2(20)	DOB	-	DATE	GENDER	-	CHAR(1)
Column	Null?	Type														
RNO	-	NUMBER(9,0)														
NAME	-	VARCHAR2(20)														
DOB	-	DATE														
GENDER	-	CHAR(1)														

Live SQL



CITY	-	VARCHAR2(40)
MARKS	-	NUMBER(5,0)

[Download CSV](#)

8 rows selected.

Statement 3



Edit

```
insert into Student values(102018052, 'Kushang', '31-DEC-01', 'M', 'BE', 'TIET', 'PTA', 88)
```

1 row(s) inserted.

Statement 4



Edit

```
select * from Student
```

RNO	NAME	DOB	GENDER	CLAS	COLLEGE	CITY	MARKS
102018052	Kushang	31-DEC-01	M	BE	TIET	PTA	88

[Download CSV](#)

Statement 5



Edit

```
insert into Student values(102018053, 'Navjot', '27-MAR-01', 'M', 'BE', 'TIET', 'RUP', 88)
```

1 row(s) inserted.

Statement 6



Edit

```
insert into Student values(102018054, 'Khushi', '28-AUG-02', 'F', 'BE', 'TIET', 'CHD', 88)
```

1 row(s) inserted.

Statement 7



Edit

```
insert into Student values(102018055, 'Akshat', '23-FEB-03', 'M', 'BE', 'TIET', 'BNN', 88)
```

1 row(s) inserted.

Statement 8



Edit

```
insert into Student values(102018063, 'Shagun', '03-OCT-02', 'F', 'BE', 'TIET', 'CHD', 88)
```

1 row(s) inserted.

Statement 9



Edit

```
select * from Student
```

RNO	NAME	DOB	GENDER	CLAS	COLLEGE	CITY	MARKS
102018053	Navjot	27-MAR-01	M	BE	TIET	RUP	88
102018054	Khushi	28-AUG-02	F	BE	TIET	CHD	88
102018055	Akshat	23-FEB-03	M	BE	TIET	BNN	88
102018063	Shagun	03-OCT-02	F	BE	TIET	CHD	88
102018052	Kushang	31-DEC-01	M	BE	TIET	PTA	88

[Download CSV](#)

5 rows selected.

TABLE STUDENT

Column	Null?	Type
RNO	-	NUMBER(9,0)
NAME	-	VARCHAR2(20)
DOB	-	DATE
GENDER	-	CHAR(1)
CLAS	-	VARCHAR2(4)
COLLEGE	-	VARCHAR2(50)
CITY	-	VARCHAR2(40)
MARKS	-	NUMBER(5,0)

[Download CSV](#)

8 rows selected.

Statement 11

[Edit](#)

```
select * from Student where city = 'PTA'
```

RNO	NAME	DOB	GENDER	CLAS	COLLEGE	CITY	MARKS
102018052	Kushang	31-DEC-01	M	BE	TIET	PTA	88

[Download CSV](#)

Statement 12

[Edit](#)

```
select marks from Student order by marks asc
```

MARKS
88
88
88
88
88

[Download CSV](#)

5 rows selected.

Statement 13

[Edit](#)

```
update Student set marks = 89 where rno = 102018055
```

1 row(s) updated.

Statement 14

[Edit](#)

```
update Student set name = 'Arnav', city = 'GHY' where rno = 102018053
```

1 row(s) updated.

Statement 15

[Edit](#)

```
delete from Student where city = 'GHY'
```

Live SQL



Statement ▾



Edit

```
select * from Student
```

RNO	NAME	DOB	GENDER	CLAS	COLLEGE	CITY	MARKS
102018054	Khushi	28-AUG-02	F	BE	TIET	CHD	88
102018055	Akshat	23-FEB-03	M	BE	TIET	BNN	89
102018063	Shagun	03-OCT-02	F	BE	TIET	CHD	88
102018052	Kushang	31-DEC-01	M	BE	TIET	PTA	88

[Download CSV](#)

4 rows selected.



Script Update Details

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My Scripts \ Script



Actions ▾

Edit Attributes

Run Script

Name	Lab Assign 2
Description	lab assign 2
Area	-
Visibility	Private - you are the only person who can access
Tags	-
Script Results	Your script results are current. What's This?
Last Updated	Friday April 29, 2022 (Created 45 seconds ago)
Metrics	1 Executions, 24 Statements, 1,438 bytes

Statement 1	create table dept (deptno number(5) primary key, dname varchar(5)) Table created.
Statement 2	create table emp (empno number(5) constraint pk primary key, ename varchar(30) constraint uk unique, job varchar(30) constraint ck check(job in ('Prof', 'Lect', 'AP')), sal number(5) constraint sal_con not null, deptno number(5) references dept(deptno)) Table created.
Statement 3	insert into dept values(01, 'comp') 1 row(s) inserted.
Statement 4	

Live SQL



1 row(s) inserted.

Statement 5 insert into dept values(03, 'elec')

Delete Edit

1 row(s) inserted.

Statement 6 insert into dept values(10, 'civil')

Delete Edit

1 row(s) inserted.

Statement 7 insert into emp values(001, 'Akshat', 'Prof', 7000, 01)

Delete Edit

1 row(s) inserted.

Statement 8 insert into emp values(002, 'Kushang', 'AP', 1800, 01)

Delete Edit

1 row(s) inserted.

Statement 9 insert into emp values(003, 'Khushi', 'Lect', 2500, 02)

Delete Edit

1 row(s) inserted.

Statement 10 insert into emp values(004, 'Shaguni', 'Lect', 10000, 03)

Delete Edit

1 row(s) inserted.

Statement 11 insert into emp values(005, 'Ayush', 'AP', 7000, 10)

Delete Edit

1 row(s) inserted.

Statement 12 select empno,ename from emp where deptno = 10

Delete Edit

EMPNO	ENAME
5	Ayush

[Download CSV](#)

Statement 13 select ename from emp where sal>2000

Delete Edit

ENAME
Akshat
Khushi

Live SQL

[Download CSV](#)

4 rows selected.

Statement 14

```
select ename,sal from emp where job in ('Lect','AP')
```



Edit

ENAME	SAL
Kushang	1800
Khushi	2500
Shaguni	10000
Ayush	7000

[Download CSV](#)

4 rows selected.

Statement 15

```
select * from emp where sal between 2000 and 3000
```



Edit

EMPNO	ENAME	JOB	SAL	DEPTNO
3	Khushi	Lect	2500	2

[Download CSV](#)

Statement 16

```
select * from emp where (deptno = 10 or deptno = 20 or deptno = 30)
```



Edit

EMPNO	ENAME	JOB	SAL	DEPTNO
5	Ayush	AP	7000	10

[Download CSV](#)

Statement 17

```
select ename from emp where commission is NULL
```



Edit

ORA-00904: "COMMISSION": invalid identifier

Statement 18

```
select deptno ,sal from emp order by deptno asc,sal desc
```



Edit

DEPTNO	SAL
1	7000
1	1800
2	2500
3	10000
10	7000

[Download CSV](#)

5 rows selected.

Statement 19

No data found

Statement 20



Edit

```
select ename from emp where ename like '%i'
```

ENAME

Khushi

Shaguni

[Download CSV](#)

2 rows selected.

Statement 21



Edit

```
select ename from emp where (ename like '%a%a%' or ename like '%aa%')
```

no data found

Statement 22



Edit

```
select ename from emp where ename like '_g%'
```

no data found

Statement 23



Edit

```
select ename from emp where ename like '_y%'
```

ENAME

Ayush

[Download CSV](#)

Statement 24



Edit

```
select ename from emp where ename like '%i' or ename like 'a%'
```

ENAME

Khushi

Shaguni

[Download CSV](#)

2 rows selected.

**Script Update Details**

My Scripts \ Script



Actions ▾

Edit Attributes

Run Script

Name	lab assignment 3	
Description	lab assign 3	
Area	-	
Visibility	Private - you are the only person who can access	
Tags	-	
Script Results	We cannot determine the last run date for this script.	What's This?
Last Updated	Friday April 29, 2022 (Created 2 minutes ago)	
Metrics	20 Statements, 1,179 bytes	

Statement 1	create table emp (empno number(10) primary key, ename varchar(20) unique, job varchar(30) check (job in ('Prof','AP','Lect')), sal number(7) not null, deptno number(10) references emp(empno)) Table created.
Statement 2	create table dept (deptno number(10) primary key, dname varchar(30) check (dname in ('Acc','comp','elect'))) Table created.
Statement 3	create table S (sno number(10) primary key, sname varchar(20), city varchar(20)

Live SQL



Table created.

Statement 4



Edit

```
create table P
(
    pno number(10) primary key,
    pname varchar(20),
    color varchar(20)
)
```

Table created.

Statement 5



Edit

```
create table J
(
    jno number(10) primary key,
    jname varchar(20),
    city varchar(20)
)
```

Table created.

Statement 6



Edit

```
create table SPJ
(
    sno number(10) references S(sno),
    pno number(10) references P(pno),
    jno number(10) references J(jno),
    qty number(20),
    primary key(sno,pno,jno)
)
```

Table created.

Statement 7



Edit

```
insert into dept values(7,'elect')
```

1 row(s) inserted.

Statement 8



Edit

```
insert into S values(100,'shelly','chandigarh')
```

1 row(s) inserted.

Statement 9



Edit

```
insert into S values(102,'Jake','delhi')
```

1 row(s) inserted.

Statement 10



Edit

```
insert into P values(12,'ABC','Black')
```

Live SQL



Edit

1 row(s) inserted.

Statement 12



Edit

```
insert into J values(001,'Web dev','Banglore')
```

1 row(s) inserted.

Statement 13



Edit

```
insert into J values(002,'Data science','Mumbai')
```

1 row(s) inserted.

Statement 14



Edit

```
insert into emp values(24,'Joe','AP',20000,24)
```

1 row(s) inserted.

Statement 15



Edit

```
select * from emp
```

EMPNO	ENAME	JOB	SAL	DEPTNO
24	Joe	AP	20000	24

[Download CSV](#)

Statement 16



Edit

```
select * from dept
```

DEPTNO	DNAME
7	elect

[Download CSV](#)

Statement 17



Edit

```
select * from S
```

SNO	SNAME	CITY
100	shelly	chandigarh
102	Jake	delhi

[Download CSV](#)

2 rows selected.

Statement 18



Edit

```
select * from P
```

PNO	PNAME	COLOR
12	ABC	Black

2 rows selected.

Statement 19

```
select * from J
```



Edit

JNO	JNAME	CITY
1	Web dev	Banglore
2	Data science	Mumbai

[Download CSV](#)

2 rows selected.

Statement 20

```
select * from SPJ
```



Edit

no data found



Script Update Details



My Session \ Previous Sessions \

Previous Session

[Delete](#)[Re-Run](#)[Save this Session](#)

- Created 7 days ago by asingla5_be20@thapar.edu
- Status Temporarily Archived, this script will be automatically deleted

Sort [most recent last](#)

View

[Statements and Results](#)

Statement 1

```
create table emp
(
    empno number(5),
    ename varchar(30),
    job varchar(30),
    sal number(5) constraint sal_con not null,
    deptno number(5)
)
```

Table created.

Statement 2

```
create table dept
(
    deptno number(5) primary key,
    dname varchar(5)
)
```

Table created.

My Session \ Previous Sessions \

Previous Session

[Delete](#)[Re-Run](#)[Save this Session](#)

	ENAME	-	VARCHAR2(30)
	JOB	-	VARCHAR2(30)
	SAL	NOT NULL	NUMBER(5,0)
	DEPTNO	-	NUMBER(5,0)

5 rows selected.

Statement 4



```
select constraint_type, constraint_name from user_constraints where table_name = 'emp'
```

no data found

Statement 5



```
insert into dept values(01, 'comp')
```

1 row(s) inserted.

Statement 6



```
insert into dept values(02, 'civil')
```

1 row(s) inserted.

Statement 7



```
insert into dept values(03, 'ece')
```

My Session \ Previous Sessions \

Previous Session

[Delete](#)[Re-Run](#)[Save this Session](#)

1 row(s) inserted.

Statement 9



```
insert into emp values(002, 'Kushang', 'AP', 68000, 01)
```

1 row(s) inserted.

Statement 10



```
insert into emp values(003, 'Khushi', 'Lect', 70000, 02)
```

1 row(s) inserted.

Statement 11



```
select constraint_type, constraint_name from user_constraints where table_name = 'emp'
```

no data found

Statement 12



```
select constraint_type, constraint_name from user_constraints where table_name = 'EMP'
```

CONSTRAINT_TYPE	CONSTRAINT_NAME
C	SAL CON

My Session \ Previous Sessions \

Previous Session

[Delete](#)[Re-Run](#)[Save this Session](#)

Statement 14

```
select constraint_type, constraint_name from user_constraints where table_name = 'EMP'
```



no data found

Statement 15

```
ALTER TABLE emp  
ADD CONSTRAINT uq UNIQUE (empno)
```



Table altered.

Statement 16

```
select constraint_type, constraint_name from user_constraints where table_name = 'EMP'
```



CONSTRAINT_TYPE	CONSTRAINT_NAME
U	UQ

My Session \ Previous Sessions \

Previous Session

[Delete](#)[Re-Run](#)[Save this Session](#)

Statement 21



```
ALTER TABLE EMP  
MODIFY ENAME CHAR(40)
```

Table altered.

Statement 22



```
ALTER TABLE DEPT  
MODIFY DNAME VARCHAR(40)
```

Table altered.

Statement 23



```
ALTER TABLE EMP  
ADD COMMISION NUMBER(40)
```

My Session \ Previous Sessions \

Previous Session

[Delete](#)[Re-Run](#)[Save this Session](#)

ADD COMMISION NUMBER(30)

Table altered.

Statement 25



SELECT * FROM EMP

EMPNO	ENAME	JOB	SAL	DEPTNO	COMMISION
1	Akshat	Prof	70000	1	-
2	Kushang	AP	68000	1	-
3	Khushi	Lect	70000	2	-

3 rows selected.

Statement 26



```
create table J
(
jno number(5) constraint prikey primary key,
jname varchar(20),
city varchar(30)
)
```

Table created.

Statement 27



ALTER TABLE J DROP COLUMN CITY

My Session \ Previous Sessions \

Previous Session

[Delete](#)[Re-Run](#)[Save this Session](#)

Table created.

Statement 29

DESC NEWEMP



TABLE NEWEMP

Column	Null?	Type
EMPNO	-	NUMBER(5,0)
ENAME	-	CHAR(40)
JOB	-	VARCHAR2(30)
SAL	-	NUMBER(5,0)
DEPTNO	-	NUMBER(5,0)
COMMISSION	-	NUMBER(30,0)

6 rows selected.

Statement 30

DESC NEWEMP



TABLE NEWEMP

Column	Null?	Type
EMPNO	-	NUMBER(5,0)
ENAME	-	CHAR(40)
JOB	-	VARCHAR2(30)

My Session \ Previous Sessions \

Previous Session

[Delete](#)[Re-Run](#)[Save this Session](#)

Statement 31



```
CREATE TABLE DEPT_NEW(ENO, NAM) AS SELECT * FROM DEPT
```

Table created.

Statement 33



```
SELECT * FROM DEPT_NEW
```

ENO	NAM
1	comp
2	civil
3	ece

3 rows selected.

Statement 34



```
UPDATE EMP
(
SET ENAME = SHIVAM
```



Actions ▾

Edit Attributes

Run Script

Name	Lab Assignment 5
Description	Lab Assignment 5
Area	-
Visibility	Private - you are the only person who can access
Tags	-
Script Results	Your script results are current. What's This?
Last Updated	Monday March 07, 2022 (Created 7 weeks ago)
Metrics	4 Executions, 26 Statements, 1,752 bytes

Statement 1 	create table emp (empno number(5), ename varchar(30), job varchar(30), sal number(5) constraint sal_con not null, deptno number(5)) Table created.
Statement 2 	create table dept (deptno number(5) primary key, dname varchar(5)) Table created.
Statement 3 	insert into dept values(01, 'comp') 1 row(s) inserted.
Statement 4 	insert into dept values(02, 'civil')

Live SQL



Statement 5	<pre>insert into dept values(03, 'ece')</pre> trash Edit 1 row(s) inserted.						
Statement 6	<pre>insert into emp values(001, 'Akshat', 'Prof', 70000, 01)</pre> trash Edit 1 row(s) inserted.						
Statement 7	<pre>insert into emp values(002, 'Kushang', 'AP', 68000, 01)</pre> trash Edit 1 row(s) inserted.						
Statement 8	<pre>insert into emp values(003, 'Khushi', 'Lect', 70000, 02)</pre> trash Edit 1 row(s) inserted.						
Statement 9	<pre>select count (*) from emp</pre> <table border="1"><thead><tr><th>COUNT(*)</th></tr></thead><tbody><tr><td>3</td></tr></tbody></table> Download CSV	COUNT(*)	3				
COUNT(*)							
3							
Statement 10	<pre>select count (*) from dept</pre> <table border="1"><thead><tr><th>COUNT(*)</th></tr></thead><tbody><tr><td>3</td></tr></tbody></table> Download CSV	COUNT(*)	3				
COUNT(*)							
3							
Statement 11	<pre>select sum(sal), max(sal), min(sal) from emp</pre> <table border="1"><thead><tr><th>SUM(SAL)</th><th>MAX(SAL)</th><th>MIN(SAL)</th></tr></thead><tbody><tr><td>208000</td><td>70000</td><td>68000</td></tr></tbody></table> Download CSV	SUM(SAL)	MAX(SAL)	MIN(SAL)	208000	70000	68000
SUM(SAL)	MAX(SAL)	MIN(SAL)					
208000	70000	68000					
Statement 12	<pre>select sum(sal), max(sal), min(sal) from emp where deptno = 1</pre> <table border="1"><thead><tr><th>SUM(SAL)</th><th>MAX(SAL)</th><th>MIN(SAL)</th></tr></thead><tbody><tr><td>138000</td><td>70000</td><td>68000</td></tr></tbody></table> Download CSV	SUM(SAL)	MAX(SAL)	MIN(SAL)	138000	70000	68000
SUM(SAL)	MAX(SAL)	MIN(SAL)					
138000	70000	68000					
Statement 13							

Live SQL



ENAME

Akshat

Khushi

[Download CSV](#)

2 rows selected.

Statement 14



Edit

```
select deptno, sum(sal) as "Total Salary" from emp group by deptno
```

DEPTNO	Total Salary
1	138000
2	70000

[Download CSV](#)

2 rows selected.

Statement 15



Edit

```
select job , sum(sal) as "Total Salary" from emp group by job
```

JOB	Total Salary
Prof	70000
Lect	70000
AP	68000

[Download CSV](#)

3 rows selected.

Statement 16



Edit

```
select deptno, job, sum(sal) as "Total Salary" from emp group by deptno, job
```

DEPTNO	JOB	Total Salary
1	AP	68000
1	Prof	70000
2	Lect	70000

[Download CSV](#)

3 rows selected.

Statement 17



Edit

```
select deptno, job, sum(sal) as "Total Salary" from emp group by job, deptno
```

DEPTNO	JOB	Total Salary
1	Prof	70000
1	AP	68000
2	Lect	70000

[Download CSV](#)

3 rows selected.

Live SQL



Statement 18



Edit

DEPTNO	JOB	Total Salary
1	AP	68000
1	Prof	70000
2	Lect	70000

[Download CSV](#)

3 rows selected.

Statement 19



Edit

```
select job, avg(sal) as "Average Salary" from emp where deptno = 01 group by job
```

JOB	Average Salary
Prof	70000
AP	68000

[Download CSV](#)

2 rows selected.

Statement 20



Edit

```
select job, sum(sal) as "Total Salary" from emp where job<>'AP' group by job
```

JOB	Total Salary
Prof	70000
Lect	70000

[Download CSV](#)

2 rows selected.

Statement 21



Edit

```
SELECT JOB, AVG(SAL) AS SAL FROM EMP WHERE DEPTNO = 1 GROUP BY JOB HAVING SUM(SAL)>2000 ORI
```

JOB	SAL
Prof	70000
AP	68000

[Download CSV](#)

2 rows selected.

Statement 22



Edit

```
select deptno, count (*) from emp where deptno<>10 group by deptno having count(*)>1 orde
```

DEPTNO	COUNT(*)
1	2

[Download CSV](#)

Statement 23



Edit

```
select deptno, count (*) as "No. Of Employes" from emp where deptno<>10 group by deptno ha
```

1

2

[Download CSV](#)

Statement 24

[Edit](#)

```
select count(*) from emp where job = 'Prof'
```

COUNT(*)
1

[Download CSV](#)

Statement 25

[Edit](#)

```
select count(*) from emp where job = 'Prof' and deptno = 1
```

COUNT(*)
1

[Download CSV](#)

Statement 26

[Edit](#)

```
select deptno, count(*) from emp where job = 'Prof' group by deptno
```

DEPTNO	COUNT(*)
1	1

[Download CSV](#)

▶ Script Update Details





Actions ▾

Edit Attributes

Run Script

Name	lab assign 5b		
Description	5b		
Area	-		
Visibility	Private - you are the only person who can access		
Tags	-		
Script Results	We cannot determine the last run date for this script. What's This?		
Last Updated	Friday April 29, 2022 (Created 6 seconds ago)		
Metrics	15 Statements, 1,084 bytes		

Statement 1 trash Edit	create table student(rollno int, name varchar(20),class varchar(20),city varchar(20),marks integer,institute char(20)) Table created.
Statement 2 trash Edit	insert into student values(1,'Raj','be3','pta',80,'tu') 1 row(s) inserted.
Statement 3 trash Edit	insert into student values(2,'Ram','be3','del',85,'pu') 1 row(s) inserted.
Statement 4 trash Edit	insert into student values(3,'Shaam','be2','jal',89,'tu') 1 row(s) inserted.
Statement 5 trash Edit	insert into student values(4,'Shaam','be3','jal',90,'pec') 1 row(s) inserted.
Statement 6 trash Edit	insert into student values(5,'Shaan','be3','pta',70,'pec')

Live SQL



Statement 7 `insert into student values(6,'Rajan','be3','pta',97,'tu')`

Edit

1 row(s) inserted.

Statement 8 `insert into student values(1,'Ram','be3','pta',97,'pu')`

Edit

1 row(s) inserted.

Statement 9 `select * from student`

Edit

ROLLNO	NAME	CLASS	CITY	MARKS	INSTITUTE
1	Raj	be3	pta	80	tu
2	Ram	be3	del	85	pu
3	Shaam	be2	jal	89	tu
4	Shaam	be3	jal	90	pec
5	Shaan	be3	pta	70	pec
6	Rajan	be3	pta	97	tu
1	Ram	be3	pta	97	pu

[Download CSV](#)

7 rows selected.

Statement 10 `select city, count(*) "No of Students"
from student
group by city`

CITY	No of Students
pta	4
del	1
jal	2

[Download CSV](#)

3 rows selected.

Statement 11 `select city from student
group by city having count(*)=(select max(count(*))
from student group by city)`

CITY
pta

[Download CSV](#)

Statement 12 `select institute
from student`

Live SQL



```
having count(*)=(select min(count(*))
from student group by institute)
```

INSTITUTE

pu

pec

[Download CSV](#)

2 rows selected.

Statement 13

[Edit](#)

```
select institute from student
where marks in (select max(marks) from student )
```

INSTITUTE

tu

pu

[Download CSV](#)

2 rows selected.

Statement 14

[Edit](#)

```
select institute from student
where institute <>'tu' group by institute
```

INSTITUTE

pu

pec

[Download CSV](#)

2 rows selected.

Statement 15

[Edit](#)

```
select institute as Institute
from student
where marks=(select max(marks) from student)
```

INSTITUTE

tu

pu

[Download CSV](#)

2 rows selected.



Script Update Details



Actions ▾

Edit Attributes

Run Script

Name	Assignment 6
Description	assignment
Area	-
Visibility	Private - you are the only person who can access
Tags	-
Script Results	We cannot determine the last run date for this script. What's This?
Last Updated	Monday April 18, 2022 (Created 11 days ago)
Metrics	39 Statements, 3,014 bytes

Statement 1	<pre>create table student(rno number(30) primary key, name varchar(40), class varchar(5), city varchar(50), marks number(20), institute varchar(30))</pre> <p>Table created.</p>
Statement 2	<pre>create table S (sno number(5) constraint prk primary key, sname varchar(20), city varchar(30))</pre> <p>Table created.</p>
Statement 3	<pre>create table P (pno number(5) constraint prkey primary key, pname varchar(20),</pre>

Live SQL



	Table created.
Statement 4 Edit	<pre>create table J (jno number(5) constraint prikey primary key, jname varchar(20), city varchar(30))</pre>
	Table created.
Statement 5 Edit	<pre>create table SPJ (sno number(10) references s(sno), pno number(10) references p(pno), jno number(10) references j(jno), qty number(10), primary key (sno, pno, jno))</pre>
	Table created.
Statement 6 Edit	<pre>create table SP (sno number(10) references s(sno), pno number(10) references p(pno), qty number(10), primary key (sno, pno))</pre>
	Table created.
Statement 7 Edit	<pre>insert into S values(2, 'mouse', 'barnala')</pre> <p>1 row(s) inserted.</p>
Statement 8 Edit	<pre>insert into P values(3, 'mouse', 'barnala')</pre> <p>1 row(s) inserted.</p>
Statement 9 Edit	<pre>insert into J values(1, 'mouse', 'barnala')</pre> <p>1 row(s) inserted.</p>
Statement 10 Edit	<pre>insert into SP values(2,3,1)</pre>

Live SQL



	<pre>select count(sno) from S</pre> <p>Edit</p>	<table border="1"><thead><tr><th>COUNT(SNO)</th></tr></thead><tbody><tr><td>1</td></tr></tbody></table> <p>Download CSV</p>	COUNT(SNO)	1
COUNT(SNO)				
1				
Statement 12	<pre>insert into S values(1, 'keyboard', 'bnn')</pre> <p>Edit</p>	1 row(s) inserted.		
Statement 13	<pre>insert into S values(3, 'display', 'patiala')</pre> <p>Edit</p>	1 row(s) inserted.		
Statement 14	<pre>insert into SPJ values(2,3,1, 22)</pre> <p>Edit</p>	1 row(s) inserted.		
Statement 15	<pre>select count(distinct(sno)) from spj where qty<>0</pre> <p>Edit</p>	<table border="1"><thead><tr><th>COUNT(DISTINCT(SNO))</th></tr></thead><tbody><tr><td>1</td></tr></tbody></table> <p>Download CSV</p>	COUNT(DISTINCT(SNO))	1
COUNT(DISTINCT(SNO))				
1				
Statement 16	<pre>insert into SPJ values(1,3,1, 21)</pre> <p>Edit</p>	1 row(s) inserted.		
Statement 17	<pre>insert into SPJ values(3,3,1, 23)</pre> <p>Edit</p>	1 row(s) inserted.		
Statement 18	<pre>select sname from S,SPJ where S.sno=SPJ.sno and SPJ.qty>(select avg(qty) from SPJ)</pre> <p>Edit</p>	<table border="1"><thead><tr><th>SNAME</th></tr></thead><tbody><tr><td>display</td></tr></tbody></table> <p>Download CSV</p>	SNAME	display
SNAME				
display				
Statement 19	<pre>SELECT SUM(qty) FROM SPJ GROUP BY sno</pre> <p>Edit</p>			

Live SQL



22

23

[Download CSV](#)

3 rows selected.

Statement 20

[Edit](#)

```
SELECT pname, sum(qty) FROM P,SPJ WHERE P.pno = SPJ.pno group by pname
```

PNAME	SUM(QTY)
mouse	66

[Download CSV](#)

Statement 21

[Edit](#)

```
select count(*) , sname from S, SPJ where S.sno = SPJ.sno and S.city not in 'patiala' gro
```

no data found

Statement 22

[Edit](#)

```
select count(*) , sname from S, SPJ where S.sno = SPJ.sno and S.city not in 'patiala' gro
```

no data found

Statement 23

[Edit](#)

```
select SPJ.sno ,P.pno,qty from P,SPJ where P.pno=SPJ.pno and colour in('red')
```

no data found

Statement 24

[Edit](#)

```
select sname from S where sno in (select sno from P, SPJ where P.pno = SPJ.pno and colour
```

no data found

Statement 25

[Edit](#)

```
select sname, pname from S, P where sname in (select sname from S, SPJ where S.sno = SPJ.
```

no data found

Statement 26

[Edit](#)

```
select sname, pname from S, P where sname in (select sname from S, SPJ where S.sno = SPJ.
```

SNAME	PNAME
mouse	mouse
keyboard	mouse
display	mouse

[Download CSV](#)

3 rows selected.

Statement 27

[Edit](#)

```
select S.sno, SPJ.sno, city from S, SPJ where S.sno = SPJ.sno
```

Live SQL



1	1	bnn
2	2	barnala
3	3	patiala

[Download CSV](#)

3 rows selected.

Statement 28



Edit

```
insert into S values(4, 'CPU', 'patiala')
```

1 row(s) inserted.

Statement 29



Edit

```
select S.sno, SPJ.sno, city from S, SPJ where S.sno = SPJ.sno
```

SNO	SNO	CITY
1	1	bnn
2	2	barnala
3	3	patiala

[Download CSV](#)

3 rows selected.

Statement 30



Edit

```
select sname from S where sno in (select sno from SPJ, P where P.pno = SPJ.pno and P.pno = 2)
```

no data found

Statement 31



Edit

```
select sname from S where sno in (select sno from SPJ, P where P.pno = SPJ.pno and P.pno = 2)
```

SNAME

keyboard

mouse

display

[Download CSV](#)

3 rows selected.

Statement 32



Edit

```
select sno from SPJ, P where SPJ.pno = P.pno and SPJ.sno = '2' and qty>0
```

SNO

2

[Download CSV](#)

Statement 33



Edit

```
select sname from S where sno <> (select sno from SPJ, P where P.pno = SPJ.pno and P.pno = 2)
```

Live SQL

[Edit](#)

```
select sname from S where sno <> (select sno from SPJ, P where P.pno = SPJ.sno and P.pno=
```

SNAME

mouse

keyboard

CPU

[Download CSV](#)

3 rows selected.

Statement 35

[Edit](#)

```
select sno from S where city = (select city from S where sno = '2')
```

SNO

2

[Download CSV](#)

Statement 36

[Edit](#)

```
select sno from S where city = (select city from S where sno = '1')
```

SNO

1

[Download CSV](#)

Statement 37

[Edit](#)

```
select sno from S where city = (select city from S where sno = '3')
```

SNO

3

4

[Download CSV](#)

2 rows selected.

Statement 38

[Edit](#)

```
select pname, pno from P,S where S.city = 'patiala'
```

PNAME

mouse

mouse

PNO

3

3

[Download CSV](#)

2 rows selected.

Statement 39

[Edit](#)

```
select P.pno, pname from P, SPJ where P.pno = SPJ.pno and sno in (select sno from S where
```

PNO

PNAME

Name	lab 7
Description	Akshat Singla 102018055 Lab Assignment 7
Area	-
Visibility	Private - you are the only person who can access
Tags	-
Script Results	We cannot determine the last run date for this script. What's This?
Last Updated	Saturday April 30, 2022 (Created 6 seconds ago)
Metrics	36 Statements, 2,503 bytes

Statement 1 Edit	create table manager (managerno number(10) primary key, sal number(5)) Table created.
Statement 2 Edit	insert into manager values(100,3000) 1 row(s) inserted.
Statement 3 Edit	insert into manager values(101,7000) 1 row(s) inserted.
Statement 4 Edit	insert into manager values(200,7500) 1 row(s) inserted.
Statement 5 Edit	insert into manager values(201,4000)

Live SQL



Statement 6



Edit

```
create table dept
(
deptno number(10) primary key,
dname varchar(30) check (dname in ('Acc','Comp','Elect'))
)
```

Table created.

Statement 7



Edit

```
insert into dept values(10,'Acc')
```

1 row(s) inserted.

Statement 8



Edit

```
insert into dept values(20,'Comp')
```

1 row(s) inserted.

Statement 9



Edit

```
insert into dept values(30,'Elect')
```

1 row(s) inserted.

Statement 10



Edit

```
create table emp
(
empno number(10) PRIMARY KEY,
ename varchar(20) unique,
job varchar(30) check (job in ('Acc','AP','Clerk')),
sal number(7) not null,
manid number(10) references manager(managerno),
deptno number(10) references dept(deptno)
)
```

Table created.

Statement 11



Edit

```
insert into emp values(10,'Shelly','Acc',3400,100,10)
```

1 row(s) inserted.

Statement 12



Edit

```
insert into emp values(11,'Jake','Acc',1400,200,20)
```

1 row(s) inserted.

Statement 13



Edit

```
insert into emp values(12,'Joe','Acc',2300,201,30)
```

Live SQL

Comment Help User More



Edit

```
INSERT INTO emp values(13, 'Natalia', 'Clerk', 2500, 101, 10)
```

1 row(s) inserted.

Statement 15



Edit

```
insert into emp values(14, 'Abby', 'Clerk', 300, 201, 20)
```

1 row(s) inserted.

Statement 16



Edit

```
insert into emp values(15, 'Moneyy', 'Clerk', 1750, 200, 30)
```

1 row(s) inserted.

Statement 17



Edit

```
insert into emp values(22, 'Ajay', 'Clerk', 1250, 100, 30)
```

1 row(s) inserted.

Statement 18



Edit

```
insert into emp values(20, 'Ash', 'Clerk', 7500, 100, 10)
```

1 row(s) inserted.

Statement 19



Edit

```
insert into emp values (21, 'Claire', 'AP', 450, 101, 10)
```

1 row(s) inserted.

Statement 20



Edit

```
insert into emp values (30, 'Ughh', 'AP', 4050, 200, 20)
```

1 row(s) inserted.

Statement 21



Edit

```
insert into emp values (35, 'Lee', 'AP', 1450, 100, 30)
```

1 row(s) inserted.

Statement 22



Edit

```
select ename from emp where deptno=(select deptno from emp where ename in ('Ajay')) and ename not in ('Ajay')
```

ENAME
Joe
Moneyy
Lee

[Download CSV](#)

3 rows selected.

ENAME

Noahh

Abby

Moneyy

Ash

[Download CSV](#)

4 rows selected.

Statement 24



Edit

`select * from emp order by sal desc fetch first 5 rows only`

EMPNO	ENAME	JOB	SAL	MANID	DEPTNO
20	Ash	Clerk	7500	100	10
30	Ughh	AP	4050	200	20
10	Shelly	Acc	3400	100	10
13	Noahh	Clerk	2900	101	10
12	Joe	Acc	2300	201	30

[Download CSV](#)

5 rows selected.

Statement 25



Edit

`select * from emp order by sal asc fetch first 5 rows only`

EMPNO	ENAME	JOB	SAL	MANID	DEPTNO
14	Abby	Clerk	300	201	20
21	Claire	AP	450	101	10
22	Ajay	Clerk	1250	100	30
11	Jake	Acc	1400	200	20
35	Lee	AP	1450	100	30

[Download CSV](#)

5 rows selected.

Statement 26



Edit

`select * from dept where deptno in (select deptno from emp where manid=101)`

DEPTNO	DNAME
10	Acc

[Download CSV](#)

Statement 27



Edit

`select ename from emp where sal < (select min(sal) from emp where job in ('Clerk')) and job = ('Clerk')`

Live SQL



Statement 28



Edit

```
select job from emp group by job having avg(sal)=(select max(avg(sal)) from emp group by
```

JOB

Clerk

[Download CSV](#)

Statement 29



Edit

```
select ename,deptno,sal from emp e1 where sal>(select avg(sal)from emp e2 where e1.deptno=e2.deptno)
```

ENAME	DEPTNO	SAL
Joe	30	2300
Moneyy	30	1750
Ash	10	7500
Ughh	20	4050

[Download CSV](#)

4 rows selected.

Statement 30



Edit

```
select ename from emp where sal=any(select max(sal) from emp group by deptno)
```

ENAME

Joe

Ash

Ughh

[Download CSV](#)

3 rows selected.

Statement 31



Edit

```
select * from manager where managerno in (select manid from emp group by manid having count(*)>0)
```

MANAGERO NO	SAL
100	3000
101	7000
200	7500
201	4000

[Download CSV](#)

4 rows selected.

Statement 32



Edit

```
select * from manager where managerno not in (select distinct(manid) from emp)
```

no data found

ENAME

Shelly

Jake

Joe

Noahh

Moneyy

Ajay

Ash

Claire

Ughh

Lee

[Download CSV](#)

10 rows selected.

Statement 34

[Edit](#)

```
select ename from emp where sal>(select avg(sal) from manager)
```

ENAME

Ash

[Download CSV](#)

Statement 35

[Edit](#)

```
select ename from emp where sal>(select max(sal) from emp where deptno=20)
```

ENAME

Ash

[Download CSV](#)

Statement 36

[Edit](#)

```
select ename from emp where sal>(select max(sal) from manager)
```

no data found

[Script Update Details](#)

My Scripts \ Script



Actions ▾

Edit Attributes

Run Script

Name	lab 8
Description	Akshat Slngla 102018055
Area	-
Visibility	Private - you are the only person who can access
Tags	-
Script Results	We cannot determine the last run date for this script. What's This?
Last Updated	Saturday April 30, 2022 (Created 8 seconds ago)
Metrics	33 Statements, 1,179 bytes

Statement 1 Edit	<pre>select chr(55) from dual</pre> <div>CHR(55)<hr/>7<hr/>Download CSV</div>
Statement 2 Edit	<pre>select concat('Akshat', ' Singla') name from dual</pre> <div>NAME<hr/>Akshat Singla<hr/>Download CSV</div>
Statement 3 Edit	<pre>select instr('Akshat', 's') from dual</pre> <div>INSTR('AKSHAT','S')<hr/>3<hr/>Download CSV</div>
Statement 4 Edit	<pre>select length('Akshat') from dual</pre>

Live SQL



6

[Download CSV](#)

Statement 5

[Edit](#)

```
select lpad('Akshat', 4, '()' from dual
```

LPAD('AKSHAT',4,'()')

Aksh

[Download CSV](#)

Statement 6

[Edit](#)

```
select ltrim('Akshat','A') from dual
```

LTRIM('AKSHAT','A')

kshat

[Download CSV](#)

Statement 7

[Edit](#)

```
select rpad('Aksha', 20, 'tS') from dual
```

RPAD('AKSHA',20,'TS')

AkshatStStStStStStSt

[Download CSV](#)

Statement 8

[Edit](#)

```
select rtrim('Akshatt', 't') from dual
```

RTRIM('AKSHATT','T')

Aksha

[Download CSV](#)

Statement 9

[Edit](#)

```
select replace('AkshAT', 'AT', 'at') from dual
```

REPLACE('AKSHAT','AT','AT')

Akshat

[Download CSV](#)

Statement 10

[Edit](#)

```
select substr('AkshatSingla', 5,27) from dual
```

SUBSTR('AKSHATSINGLA',5,27)

atSingla

[Download CSV](#)

Live SQL



INITCAP('AKSHATSINGLA')

Akshat Singla

[Download CSV](#)

Statement 12



[Edit](#)

```
select lower('AKSHAT SINGLA') from dual
```

LOWER('AKSHATSINGLA')

akshat singla

[Download CSV](#)

Statement 13



[Edit](#)

```
select upper('akshat') from dual
```

UPPER('AKSHAT')

AKSHAT

[Download CSV](#)

Statement 14



[Edit](#)

```
select translate('akshat', 'a', 'i') from dual
```

TRANSLATE('AKSHAT','A','I')

ikshit

[Download CSV](#)

Statement 15



[Edit](#)

```
select abs(-100) from dual
```

ABS(-100)

100

[Download CSV](#)

Statement 16



[Edit](#)

```
select ceil(1.23) from dual
```

CEIL(1.23)

2

[Download CSV](#)

Statement 17



[Edit](#)

```
select cos(1) from dual
```

COS(1)

.5403023058681397174009366074429766037354

Live SQL

[Edit](#)

```
select exp(0) from dual
```

EXP(0)

1

[Download CSV](#)**Statement 19**[Edit](#)

```
select floor(1.9) from dual
```

FLOOR(1.9)

1

[Download CSV](#)**Statement 20**[Edit](#)

```
select mod(287, 11) from dual
```

MOD(287,11)

1

[Download CSV](#)**Statement 21**[Edit](#)

```
select power(2,10) from dual
```

POWER(2,10)

1024

[Download CSV](#)**Statement 22**[Edit](#)

```
select round(3.134567) from dual
```

ROUND(3.134567)

3

[Download CSV](#)**Statement 23**[Edit](#)

```
select sign(111) from dual
```

SIGN(111)

1

[Download CSV](#)**Statement 24**[Edit](#)

```
select sqrt(144) from dual
```

SQRT(144)

Live SQL



Statement 25



Edit

```
select trunc(14456.345, 1) from dual
```

TRUNC(14456.345,1)

14456.3

[Download CSV](#)

Statement 26



Edit

```
select sysdate from dual
```

SYSDATE

30-APR-22

[Download CSV](#)

Statement 27



Edit

```
select add_months(sysdate, 6) from dual
```

ADD_MONTHS(SYSDATE,6)

31-OCT-22

[Download CSV](#)

Statement 28



Edit

```
select last_day(sysdate) from dual
```

LAST_DAY(SYSDATE)

30-APR-22

[Download CSV](#)

Statement 29



Edit

```
select months_between('10-JAN-2003', '20-FEB-2003') from dual
```

MONTHS_BETWEEN('10-JAN-2003','20-FEB-2003')

-1.32258064516129032258064516129032258065

[Download CSV](#)

Statement 30



Edit

```
select next_day(sysdate, 'wed') from dual
```

NEXT_DAY(SYSDATE,'WED')

04-MAY-22

[Download CSV](#)

Statement 31

GREATEST(11,44,23,98,108,1)

108

[Download CSV](#)

Statement 32

[Edit](#)

```
select least(11,44,23,98,108,1) from dual
```

LEAST(11,44,23,98,108,1)

1

[Download CSV](#)

Statement 33

[Edit](#)

```
select to_char(sysdate, 'hh-mm-ss') from dual
```

TO_CHAR(SYSDATE,'HH-MM-SS')

07-04-09

[Download CSV](#)

Script Update Details

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