

Lab Assignment-5

1. Create table emp which has the following attributes
(employee table)
(@empno, ename, job, sal, deptno)
Where empno is primary key, ename is unique, job in (Prof, AP, and Lect), sal is not NULL, and deptno is foreign key
2. Create table dept which has the following attributes
(department table)
(@deptno, dname)
Where deptno is primary key, dname in (Acc, comp, elect)




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

Statement 1



```
CREATE TABLE EMP (  
EMP_NO INT PRIMARY KEY,  
ENAME VARCHAR(20) UNIQUE,  
JOB VARCHAR(15),  
SALARY INT NOT NULL,  
DEPT_NO INT,  
CONSTRAINT CHK_JOB CHECK (JOB='PROF' OR JOB='AP' OR JOB= 'LECT')  
)
```

Table created.

Statement 2



```
CREATE TABLE DEPT(  
DEPT_NO INT PRIMARY KEY,  
DNAME VARCHAR(10),  
CONSTRAINT CHK_DNAME CHECK(DNAME='ACC' OR DNAME='COMP' OR DNAME='ELECT')  
)
```

Table created.

3. Create table S which has the following attributes
(Salesperson table)
(@sno, sname, city)

Where sno is primary key

4. Create table P which has the following attributes (Part table)

(@pno, pname, color)

Where pno is primary key

5. Create table J which has the following attributes (Project table)

(@jno, jname, city)

Where jno is primary key

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My Session TABLE CREATED. Actions Reset Session Save

Statement 3

CREATE TABLE S(
SNO INT PRIMARY KEY,
SNMAE VARCHAR(15),
CITY VARCHAR(15)
)

Table created.

Statement 4

CREATE TABLE P(
PNO INT PRIMARY KEY,
PNMAE VARCHAR(15),
COLOR VARCHAR(15)
)

Table created.

Statement 5

CREATE TABLE J(
JNO INT PRIMARY KEY,
JNMAE VARCHAR(15),
CITY VARCHAR(15)
)

6. Create table SPJ which has the following attributes

(@ (sno, pno, jno), qty)

Where combination of (sno, pno, jno) is primary key, also
sno, pno, jno are foreign keys

7. Insert appropriate records in above tables.

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Table created.

Actions













Reset Session

Save

Statement 6	<div>INSERT INTO EMP VALUES(102003200, 'PRATEEK', 'AP',175000,123)</div> <div>1 row(s) inserted.</div>
Statement 7	<div>INSERT INTO EMP VALUES(102003201, 'DEEVANG', 'LECT',150000,122)</div> <div>1 row(s) inserted.</div>
Statement 8	<div>INSERT INTO EMP VALUES(102003202, 'YUVRAJ', 'LECT',200000,111)</div> <div>1 row(s) inserted.</div>
Statement 9	<div>INSERT INTO EMP VALUES(102003198, 'HRIDAY', 'STUDENT',0,121)</div> <div>ORA-02290: check constraint (SQL_CANPFPPSUNJTPOAVQTKFKNDQC.CHECK_JOB) violated ORA-06512: at "SYS.DBMS_SQL", line 1721</div>













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Statement 15	INSERT INTO S VALUES(2, 'HARMAN', 'PATIALA')
  	1 row(s) inserted.
Statement 16	INSERT INTO S VALUES(3, 'NRIP', 'SANGRUR')
  	1 row(s) inserted.
Statement 17	INSERT INTO S VALUES(4, 'VANEET', 'MANSA')
  	1 row(s) inserted.
Statement 18	INSERT INTO P VALUES(111, 'NUT', 'GREY')
  	1 row(s) inserted.

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








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Statement 19	INSERT INTO P VALUES(222, 'BOLT', 'BLACK')
  	1 row(s) inserted.
Statement 20	INSERT INTO P VALUES(333, 'SCREW DRIVER', 'RED')
  	1 row(s) inserted.
Statement 21	INSERT INTO P VALUES(444, 'HAMMER', 'BROWN')
  	1 row(s) inserted.
Statement 22	INSERT INTO J VALUES(11, 'HALLA BOL', 'AMRITSAR')
  	1 row(s) inserted.

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1 row(s) Inserted










My Session ⓘ Actions Reset Session Save

Statement 23	INSERT INTO J VALUES(22, 'PROJECT', 'PATIALA')
  	1 row(s) inserted.
Statement 24	INSERT INTO J VALUES(33, 'FIRST ', 'CHANDIGARH')
  	1 row(s) inserted.
Statement 25	INSERT INTO J VALUES(44, 'HELLO PROJECT', 'LUDHIANA')
  	1 row(s) inserted.
Statement 26	INSERT INTO SPJ VALUES(1, 111, 11, 1000)
  	1 row(s) inserted.

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1 row(s) inserted.

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Statement 27	INSERT INTO SPJ VALUES(2, 222, 22, 1500)
  	1 row(s) inserted.
Statement 28	INSERT INTO SPJ VALUES(3, 333, 33, 700)
  	1 row(s) inserted.
Statement 29	INSERT INTO SPJ VALUES(4, 444, 44, 2000)
  	1 row(s) inserted.

Lab Assignment-6

Q1) Check the structure of tables.

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My Session Actions Reset Session Save

Statement **30**

DESC EMP

TABLE EMP

Column	Null?	Type
EMP_NO	NOT NULL	NUMBER
ENAME	-	VARCHAR2(20)
JOB	-	VARCHAR2(15)
SALARY	NOT NULL	NUMBER
DEPT_NO	-	NUMBER

Download CSV
5 rows selected.

Statement **31**

DESC DEPT

TABLE DEPT




Column	Null?	Type
DEPT_NO	NOT NULL	NUMBER
DNAME	-	VARCHAR2(10)

Download CSV
2 rows selected.

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My Session 2 rows selected. Actions Reset Session Save

Statement 32

DESC S




TABLE S

Column	Null?	Type
SNO	NOT NULL	NUMBER
SNMAE	-	VARCHAR2(15)
CITY	-	VARCHAR2(15)

Download CSV

3 rows selected.

Statement 33

DESC P

TABLE P

Column	Null?	Type
PNO	NOT NULL	NUMBER
PNMAE	-	VARCHAR2(15)
COLOR	-	VARCHAR2(15)




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3 rows selected.

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My Session 2 rows selected. Actions Reset Session Save

Statement 34

DESC J




TABLE J

Column	Null?	Type
JNO	NOT NULL	NUMBER
JNMAE	-	VARCHAR2(15)
CITY	-	VARCHAR2(15)

Download CSV

3 rows selected.

Statement 35

DESC SPJ

TABLE SPJ

Column	Null?	Type
SNO	NOT NULL	NUMBER
PNO	NOT NULL	NUMBER
JNO	NOT NULL	NUMBER
QTY	-	NUMBER

Download CSV

4 rows selected.

Q2) Check the constraint name for applied constraints?

Q3) Drop the unique constraint on ENAME

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My Session 05A-00905: missing keyword

Actions Reset Session Save

Statement 73	ALTER TABLE EMP DROP UNIQUE (ENAME)
	Table altered.

Q4) Drop the Foreign Key constraint on DEPTNO

Q5) Add Foreign Key constraint on DEPTNO

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My Session

Actions Reset Session Save

	Table created.
Statement 2	ALTER TABLE DEPT ADD CONSTRAINT DEPT_NP_FK FOREIGN KEY (DEPT_NO) REFERENCES DEPT(DEPT_NO)
	Table altered.
Statement 3	ALTER TABLE DEPT DROP CONSTRAINT DEPT_NP_FK
	Table altered.

Q6) Change Data type of ENAME

Q7) Change width of DNAME

Q8) Add COMM column in EMP table

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Statement 40 ✎ ▶ 🗑	<pre>ALTER TABLE EMP MODIFY ENMAE CHAR(100)</pre> <p>Table altered.</p>
Statement 41 ✎ ▶ 🗑	<pre>ALTER TABLE DEPT MODIFY DNAME VARCHAR2(100)</pre> <p>Table altered.</p>
Statement 42 ✎ ▶ 🗑	<pre>ALTER TABLE EMP ADD COMM NUMBER(20)</pre> <p>Table altered.</p>

Q9) Drop CITY column from J table

Q10) Create duplicate copy of EMP table

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My Session ⓘ Actions Reset Session Save

ORA-01735: invalid ALTER TABLE option

Statement 55 ✎ ▶ 🗑	<pre>ALTER TABLE S DROP COLUMN CITY</pre> <p>Table altered.</p>
Statement 56 ✎ ▶ 🗑	<pre>CREATE TABLE DUP_EMP AS(SELECT * FROM EMP)</pre> <p>Table created.</p>

Q11) Copy structure of DEPT table in another table with different column names

Q12) Change the name and job of the employee whose EMPNO =100

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Statement 59

ly Session

CREATE TABLE DEPT(
DEPT_NO INT PRIMARY KEY,
DNAME VARCHAR(10),
CONSTRAINT CHK_DNAME CHECK(DNAME='ACC' OR DNAME='COMP' OR DNAME='ELECT')
)

Table created.

Statement 60

CREATE TABLE DUP_DEPT(DEPTNO,DEPTNAME) AS (SELECT * FROM DEPT)

Table created.

Statement 61

UPDATE EMP
SET ENMAE='VISHNU KHOKHAR' , JOB='PROF'
WHERE EMP_NO=102003199

0 row(s) updated.

Q13) Delete the record of employee who belong to computer department

Q14) Drop DEPT Table

Q15) Drop duplicate table of EMP table

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My Session

Actions

Reset Session

Save

Statement 49

DROP TABLE DEPT

Table dropped.

Statement 50

DROP TABLE DUPLICATE_DEPT

Table dropped.

Statement 51

desc spj

TABLE SPJ

Column	Null?	Type
SNO	NOT NULL	NUMBER
PNO	NOT NULL	NUMBER
JNO	NOT NULL	NUMBER
QTY	-	NUMBER

Download CSV