INDEX TOPIC :-

🡪create index job\_index

on emp(job);

sol : index created.

🡪 desc USER\_INDEXES;

Sol : Index JOB\_INDEX created.

Name Null? Type

----------------------- -------- --------------

INDEX\_NAME NOT NULL VARCHAR2(30)

INDEX\_TYPE VARCHAR2(27)

TABLE\_OWNER NOT NULL VARCHAR2(30)

TABLE\_NAME NOT NULL VARCHAR2(30)

TABLE\_TYPE VARCHAR2(11)

UNIQUENESS VARCHAR2(9)

COMPRESSION VARCHAR2(8)

PREFIX\_LENGTH NUMBER

* SELECT INDEX\_NAME, TABLE\_NAME

FROM user\_indexes;

Sol :

\*\*\*\*\*Index Name \*\*\*\*\* \*\*\*\*\*\*\*Table name\*\*\*\*\*\*\*\*\*

SYS\_C007093 STUDENT\_MASTER

SYS\_C007098 STAFF\_MASTER

JOB\_INDEX EMP

SYS\_C007088 DESIGNATION\_MASTER

SYS\_C007089 DESIGNATION\_MASTER

SYS\_C007090 DEPARTMENT\_MASTER

SYS\_C007091 DEPARTMENT\_MASTER

SYS\_C007103 BOOK\_MASTER

🡪 SELECT ename

FROM emp

WHERE job='MGR';

SOL :- \*\*\*\*\*ENAME \*\*\*\*\*\*

blake

clark

jones

🡪 SELECT ename FROM emp WHERE length(ename)>2;

SOL :- NAMES: SMITH,ALLEN,WARD,JONES,MARTIN,BLAKE,CLARK,SCOTT,KING,TURNER,ADAMS,JAMES,FORD, MILLER

🡪 CREATE UNIQUE INDEX uniind ON emp(ename);

SOL : INDEX CREATED.

SEQUENCE :-

* CREATE SEQUENCE idseq;

SOL : Sequence created.

🡪 SELECT idseq.nextval FROM dual;

SOL : 1

* SELECT idseq.nextval FROM dual;

SOL : 2

* SELECT idseq.nextval FROM dual;

SOL : 3

SUB QUERY :-

1. SELECT design\_code

FROM designation\_master

WHERE design\_name='Professor';

SOL : 102

1. SELECT staff\_name

FROM staff\_master

WHERE design\_code= (SELECT design\_code FROM designation\_master

WHERE design\_name='Professor');

SOL : STAFF\_NAME

Arvind

Mohan

Anil

Raviraj

Rahul

Shyam

1. CREATE TABLE emp\_copy31 AS SELECT \* FROM emp;

SOL : Table created.

1. SELECT ename FROM emp;

SOL : \*\*\*\*\*\*\*NAMES \*\*\*\*\*\*

ALLEN WARD JONES MARTIN BLAKE CLARK

SCOTT KING TURNER ADAMS JAMES FORD MILLER

1. SELECT ename FROM emp\_copy31;

SOL : \*\*\*\*\*NAMES \*\*\*\*\*

SMITH ALLEN WARD JONES MARTIN BLAKE CLARK

SCOTT KING TURNER ADAMS JAMES FORD

1. CREATE TABLE design\_copy AS SELECT \* FROM designation\_master WHERE 1=2;

Sol : table creasted

1. SELECT count(\*) FROM designation\_master;

Sol :6

1. SELECT count(\*) FROM design\_copy;

Sol : 0

1. desc designation\_master;

sol : Name Null? Type

----------- -------- ------------

DESIGN\_CODE NOT NULL NUMBER(3)

DESIGN\_NAME VARCHAR2(50)

1. desc design\_copy;

sol : Name Null? Type

----------- ----- ------------

DESIGN\_CODE NUMBER(3)

DESIGN\_NAME VARCHAR2(50)

1. SELECT deptno, avg(sal) FROM emp GROUP BY deptno;

Sol :

\*\*\*\*Dept num\*\*\*\*\*\*\*\*\*\*Avg Sal\*\*\*\*\*\*\*\*\*\*

30 1566.666666666666666666666666666666666667

20 2175

10 2916.666666666666666666666666666666666667

12) SELECT deptno, avg(sal) FROM emp GROUP BY deptno HAVING AVG(sal)>2500;

Sol :

DEPTNO AVG(SAL)

---------- ----------

10 2916.666

1. SELECT deptno FROM emp GROUP BY deptno HAVING AVG(sal)>2500;

Sol : \*\*\*\*\* dept num\*\*\*\*\*

10

1. SELECT ename,deptno FROM emp WHERE deptno IN

(SELECT deptno FROM emp GROUP BY deptno HAVING AVG(sal)>2500);

Sol : ENAME DEPTNO

---------- ----------

Clark 10

King 10

Miller 10

1. SELECT ename,deptno FROM emp WHERE deptno NOT IN

(SELECT deptno FROM emp GROUP BY deptno HAVING AVG(sal)>2500);

Sol : \*\*\*\*\*ENAME\*\*\*\*\*\*DEPTNO\*\*\*

SMITH 20

ALLEN 30

WARD 30

JONES 20

MARTIN 30

BLAKE 30

SCOTT 20

TURNER 30

ADAMS 20

JAMES 30

FORD 20

1. SELECT ename,empno FROM emp CONNECT BY empno=mgr START WITH ename='blake';

Sol : ENAME EMPNO

---------- ----------

blake 7698

1. SELECT ename,sal,job

FROM emp

WHERE sal=(SELECT avg(sal) FROM emp group by job);

Sol : "single-row subquery returns more than one row"

1. SELECT ename,empno FROM emp CONNECT BY prior empno=mgr

START WITH ename='blake';

Sol : ENAME EMPNO

---------- ----------

blake 7698

allen 7499

ward 7521

martin 7654

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SYNONYM :-

1. SELECT ename FROM emP;

SOL : \*\*\*NAMES\*\*\*

ALLEN

WARD

JONES

MARTIN

BLAKE

CLARK

SCOTT

1. SELECT ename FROM emp WHERE deptno=10;

SOL : ENAME

----------

CLERK

MILLER

KING

1. CREATE SYNONYM emp FOR Emp;

Sol : synonym creadted.

1. DROP SYNONYM emp;

Sol : SYNONYM DROPPED.

1. CREATE PUBLIC SYNONYM test FOR emp;

SOL : SYNONYM CREADTED

1. DROP PUBLIC SYNONYM TEST

SOL :PUBLIC SYNONYM DROPPED

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TABLE1 :

1. CREATE TABLE courses(courseid NUMBER PRIMARY KEY,name VARCHAR2(20));

SOL : TABLE CREATED

1. DROP TABLE courses;

SOL : Table COURSES dropped.

1. CREATE TABLE courses(courseid NUMBER,name VARCHAR2(20),

CONSTRAINT cid\_pk PRIMARY KEY(courseid));

SOL : Table created.

1. desc courses;

SOL :

Name Null? Type

-------- -------- ------------

COURSEID NOT NULL NUMBER

NAME VARCHAR2(20)

1. ALTER TABLE courses DROP CONSTRAINT cid\_pk;

SOL : Table COURSES altered.

1. desc courses;

SOL :

Name Null? Type

-------- ----- ------------

COURSEID NUMBER

NAME VARCHAR2(20)

1. TRUNCATE TABLE courses;

SOL : Table COURSES truncated.

1. ALTER TABLE courses ADD CONSTRAINT cid\_pk PRIMARY KEY(courseid);

SOL : Table COURSES altered.

1. DESC EMP;

SOL : Name Null? Type

-------- -------- ------------

EMPNO NOT NULL NUMBER(4)

ENAME VARCHAR2(10)

JOB VARCHAR2(9)

MGR NUMBER(4)

HIREDATE DATE

SAL NUMBER(7,2)

COMM NUMBER(7,2)

DEPTNO NUMBER(2)

1. alter table emp rename to emp\_22;

SOL : TABLE ALTERED

1. desc emp

SOL : ORA-04043: object emp does not exist

1. desc emp\_22;

SOL: Name Null? Type

-------- -------- ------------

EMPNO NOT NULL NUMBER(4)

ENAME VARCHAR2(10)

JOB VARCHAR2(9)

MGR NUMBER(4)

HIREDATE DATE

SAL NUMBER(7,2)

COMM NUMBER(7,2)

DEPTNO NUMBER(2)

1. alter table emp rename column id to empno;

SOL : 00942. 00000 - "table or view does not exist"

1. ALTER TABLE EMP\_22 SET UNUSED COLUMN sal;

SOL : Table EMP\_22 altered.

1. desc emp\_22;

SOL :

Name Null? Type

-------- -------- ------------

EMPNO NOT NULL NUMBER(4)

ENAME VARCHAR2(10)

JOB VARCHAR2(9)

MGR NUMBER(4)

HIREDATE DATE

COMM NUMBER(7,2)

DEPTNO NUMBER(2)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

VIEWS TOPIC :-

* SQL> select ename FROM employee WHERE deptno=20;

SOL :

ENAME

----------

jones

scott

* SQL> CREATE VIEW viewdemo1 AS SELECT ename FROM employee WHERE deptno=10;

View created.

* SQL> SELECT \* FROM viewdemo1;

ENAME

king

blake

clark

* SQL> CREATE VIEW viewdemo1 AS SELECT ename FROM employee WHERE deptno=20;

CREATE VIEW viewdemo

ERROR at line 1:

ORA-00955: name is already used by an existing object

* CREATE OR REPLACE VIEW viewdemo1 AS SELECT ename FROM employee WHERE deptno=20;

View created.

* CREATE VIEW viewdemo2 AS SELECT \* FROM dept\_details;

View created.

* SELECT \* FROM dept\_details;

DEPTNO DNAME LOC

---------- -------------- -------------

1 training chennai

4 admin pune

6 admin pune

8 admin pune

* SELECT \* FROM viewdemo2;

DEPTNO DNAME LOC

---------- -------------- -------------

1 training chennai

4 admin pune

6 admin pune

8 admin pune

2000 admin pune

2005 admin pune

* INSERT INTO viewdemo2 VALUES(10,'dd','f');

1 row created.

* SELECT \* FROM viewdemo2;

DEPTNO DNAME LOC

---------- -------------- -------------

1 training chennai

4 admin pune

6 admin pune

8 admin pune

1. admin pune

* SELECT \* FROM dept\_details;

DEPTNO DNAME LOC

---------- -------------- -------------

1 training chennai

4 admin pune

6 admin pune

8 admin pune

2000 admin pune

2005 admin pune