**PRACTICAL NO. 03**

**1.Creating simple sequences with clauses like start with,increment by,maxvalue,minvalue,cycle/no cycle,cache/no cache,order/no order.**

**2. creating and using sequences for table.**

**1.1 CREATE SEQUENCE.**

**PROGRAM**

SQL> create sequence stud\_1

2 start with 1

3 increment by 1

4 maxvalue 1000

5 minvalue 1

6 cache 20

7 cycle

8 order;

**O/P:**

Sequence created.

**1.2 PRINT NEXTVALUE.**

**PROGRAM**

SQL> select stud\_1.nextVal from dual;

**O/P:**

NEXTVAL

----------

1

**PROGRAM**

SQL> select stud\_1.nextVal from dual;

**O/P:**

NEXTVAL

----------

2

**1.3 PRINT CURRENT VALUE.**

**PROGRAM**

SQL> select stud\_1.currVal from dual;

**O/P:**

CURRVAL

----------

2

**1.4 ALTER SEQUENCE.**

**PROGRAM**

SQL> alter sequence stud\_1

2 maxvalue 500

3 nocycle

4 nocache;

**O/P:**

Sequence altered.

**1.5 DROP SEQUENCE.**

**PROGRAM**

SQL> drop sequence stud\_1;

**O/P:**

Sequence dropped.

**2.Create a sequence for employee id which start with 101, incremented by 1, maxvalue is 2000, minvalue is 101, cache=20 with no cycle and attached this sequence to your employee table.**

* **CREATE SEQUENCE.**

**PROGRAM:**

SQL> create sequence emp\_seq

2 start with 101

3 increment by 1

4 maxvalue 2000

5 minvalue 101

6 cache 20

7 nocycle;

**O/P:**

Sequence created.

* **CREATE TABLE.**

**PROGRAM:**

SQL> create table emp\_1(eid number(20),ename varchar2(10),esalary number(10),dep

t varchar2(20),dob date);

Table created.

**INSERT VALUES**

SQL> insert into emp\_1 values(emp\_seq.nextVal,'&ename',&salary,'&dept','&dob');

Enter value for ename: Rutu

Enter value for salary: 10000

Enter value for dept: computer science

Enter value for dob: 6 june 1999

old 1: insert into emp\_1 values(emp\_seq.nextVal,'&ename',&salary,'&dept','&dob

')

new 1: insert into emp\_1 values(emp\_seq.nextVal,'Rutu',10000,'computer science

','6 june 1999')

1 row created.

SQL> /

Enter value for ename: Shivani

Enter value for salary: 10000

Enter value for dept: computer science

Enter value for dob: 5 june 1998

old 1: insert into emp\_1 values(emp\_seq.nextVal,'&ename',&salary,'&dept','&dob

')

new 1: insert into emp\_1 values(emp\_seq.nextVal,'Shivani',10000,'computer scie

nce','5 june 1998')

1 row created.

**O/P:**

SQL> select \* from emp\_1

2 /

EID ENAME ESALARY DEPT DOB

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

101 Rutu 10000 computer science 06-JUN-99

102 Shivani 10000 computer science 05-JUN-98

103 Kanchan 10000 computer science 08-AUG-99

104 Mona 10000 computer science 17-JUL-99