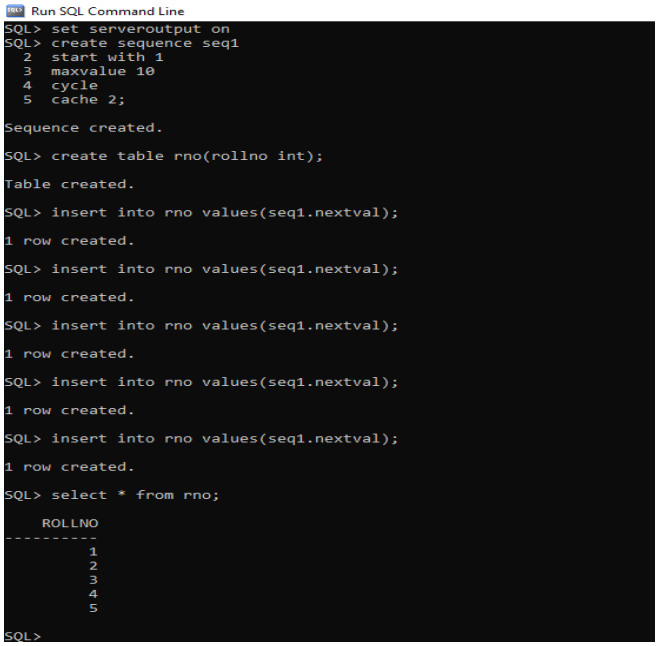
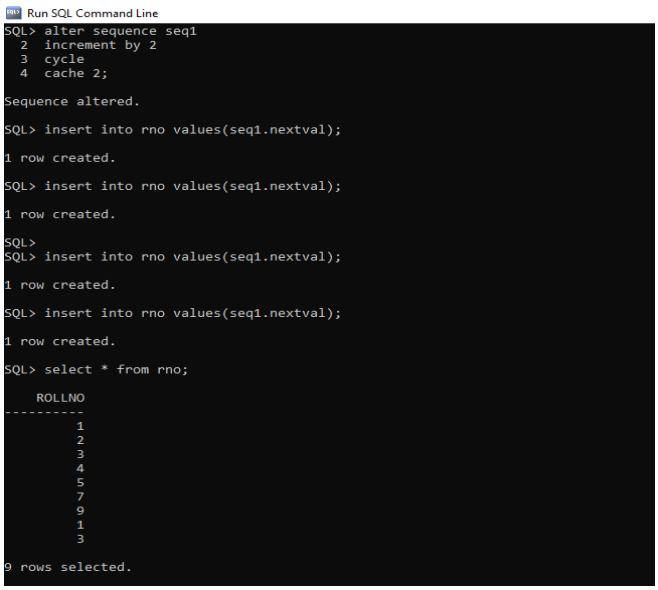
DBMS Practical 3

Dharmit Shah SYIT 330

Practical 3: Creating and working with Sequence

1. Write a PL/SQL block to create a sequence by using cycle and insert the values in a table, altering sequences.





2. Write a sequence as 10, 20, 30 ů.. 100 and bind it with the table product (product no, product name).

Run SQL Command Line

```
SQL> create table product(productno int, productname varchar(30));

Table created.

SQL> create sequence seq2
  2  start with 10
  3  increment by 10
  4  maxvalue 100;

Sequence created.

SQL> insert into product values(seq2.nextval,'dharmit');

1 row created.

SQL> insert into product values(seq2.nextval,'mehul');

1 row created.

SQL> insert into product values(seq2.nextval,'komal');

1 row created.

SQL> insert into product values(seq2.nextval,'karishma');

1 row created.

SQL> insert into product values(seq2.nextval,'devangi');

1 row created.

SQL> insert into product values(seq2.nextval,'kiran');

1 row created.
```

```
SQL> select * from product
  2  ;

 PRODUCTNO PRODUCTNAME
---------- ------------------------------
        10 dharmit
        20 mehul
        30 komal
        40 karishma
        50 devangi
        60 kiran

6 rows selected.
```

3. Write a sequence with maximum value is 40 and is incremented by 4, starts with 1 and forming a cycle.

```
SQL> create sequence seq3
  2  start with 1
  3  increment by 4
  4  maxvalue 40
  5  cycle
  6  cache 4;

Sequence created.
```

```
SQL> insert into q3 values(seq3.nextval,'a');

1 row created.

SQL> insert into q3 values(seq3.nextval,'b');

1 row created.

SQL> insert into q3 values(seq3.nextval,'c');

1 row created.

SQL> insert into q3 values(seq3.nextval,'d');

1 row created.

SQL> insert into q3 values(seq3.nextval,'e');

1 row created.
```

```
SQL> select * from q3;

        NO NAME
---------- --------------------
         1 a
         5 b
         9 c
        13 d
        17 e
        21 a
        25 b
        29 c
        33 d
        37 e
         1 a

        NO NAME
---------- --------------------
         5 b
         9 c

13 rows selected.
```