

SEQUENCE CREATION

Create a table **student_info** with the following fields: roll number, name, mark.

Create a **sequence** that will increment value by 1, start with 101, max value up to 200 and comes in a cycle manner.

```
SQL> create table student_info(rollno int,name varchar(20),mark int);
Table created.

SQL> create sequence sq increment by 1 start with 101 minvalue 101 maxvalue 200;
Sequence created.
```

a) Display the next value of sequence.

```
SQL> select sq.nextval from dual;

NEXTVAL
-----
      101

SQL>
SQL> select sq.nextval from dual;

NEXTVAL
-----
      102

SQL> select sq.nextval from dual;

NEXTVAL
-----
      103
```

b) Display current value of sequence.

```
SQL> select sq.currval from dual;

CURRVAL
-----
      103
```

- c) Alter the sequence by updating increment value by 2.

```
SQL> alter sequence sq increment by 2;
Sequence altered.
SQL> select sq.nextval from dual;

NEXTVAL
-----
      105
```

- d) Insert values into table and use sequence to enter values in roll number field.

```
SQL> insert into student_info values(sq.nextval,'Susan Andrews',20);
1 row created.
SQL> select * from student_info;

ROLLNO NAME                MARK
-----
    107 Susan Andrews        20
```