DBS Lab-sheet: 2

First complete all pending exercises of previous session.

A. Explain following concepts:

1. Oracle schema/User
2. Oracle File,
3. Oracle Tablespace

B. Then ask students to create their own user/schema. (explain the steps, with necessary permissions)

C. Now do the following:

(i)   Create table :

Student (rollno int, name varchar(20), DOB date, gender char(1), class int, college varchar(20), city varchar(20), marks int, primary key(rollno));

(ii)   Insert following 6 records in to student table.

<101, 'Kiran', '10-MAR-1998', 'M', 10, 'SBTM', 'Delhi', 67>
<103, 'Malini', '22-DEC-1997', 'F', 9, 'Gandhi Memorial', 'Mumbai', 73>
<104, 'Ahmad', '18-APR-1998', 'M', 10, 'Princeton', 'Nagpur', 50>
<108, 'James', '30-SEP-1996', 'M', 12, 'SBTM', 'Delhi', 77>
<109, 'Shivani', '11-AUG-1999', 'F', 11, 'Stanley', 'Chennai', 46>
<112, 'Akul', '23-MAR-1993', 'M', 12, 'Stanley' , 'Chennai', 67>

(iii)   Now ask students to write SQL queries to get:

1. Display the information of all the students.
2. Display the detail structure of student table.
3. Display rollno, Name and Class information of all students.
4. Display rollno, name, and marks for students in DELHI colleges.
5. Display details for those born after 01-MAR-1998.
6. Delete a record for Shivani
7. Update a record for class 10 and make marks 75.
8. Display rollno and class for all students with labels SID and Standard.
9. Give the average marks.
10. Computing MIN, MAX, COUNT, SUM of marks.
11. Get rollno, and name for those having marks between 70 and 75.
12. For all display current marks + 10.
13. Get rollno and name for those in Delhi and having marks >70;
14. Update marks for those in class 10 to 75.

If time permits –
   (i)   Ask to create a table Book(bid int pk, title vc(10)).
Insert one or two rows.
Later add a new column price.
   (ii)   give few more similar data retrieval requirement and ask students to write SQL queries.
   (iii)   Try dropping a column.

Important note: Please ask students to execute 'COMMIT' command before they exit the session.

connect Dhairya/dhairya@LAPTOP-UL35UUE9:1521/XEPDB1 as sysdba