

2CS402 Database Management System

Practical 10A	
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Division: A	Batch: A1

```
SQL> create table student(studentcode varchar2(10),name varchar2(20),dob
date,course varchar2(20),rollno varchar2(10),batch varchar2(10),result
varchar2(5));
```

Table created.

1. User F has retrieve over entire table

```
SQL> create user F identified by user_f;
```

User created.

```
SQL> grant select on student to F;
```

Grant succeeded.

2. User S has insert and delete on entire table.

```
SQL> create user S identified by user_s;
```

User created.

```
SQL> grant insert,delete on student to S;
```

Grant succeeded.

3. Every user has retrieve over his/her record only.

```
SQL> grant select on student to public;
```

Grant succeeded.

4. User N has retrieve over entire table and update on Course and RollNo only SQL> create user N identified by user_n;

User created.

```
SQL> grant select,update(course,rollno) on student to N;
```

Grant succeeded.

5. User T has retrieve over Name, StudentCode and Result only.

SQL> create user T identified by user_t;

User created.

SQL> create or replace view grant_t as select name,studentcode,rollno
from student;

View created.

SQL> grant select on grant_t to T;

Grant succeeded.

6. User W has retrieve as T and update as N

SQL> create user w identified by user_w;

User created.

SQL> grant select on grant_t to w;

Grant succeeded.

SQL> grant update(course,rollno) on student to w;

Grant succeeded.

7. User P has all the privileges for BE-IT student's records.

SQL> create user p identified by user_p;

User created. SQL> create or replace view grant_p as select * from student where
course='BE-IT';

View created.

SQL> grant select,update,insert,delete on grant_p to p;

Grant succeeded.

8. User J has delete on records for student of Batch B2

SQL> create user j identified by user_j;

User created.

SQL> create or replace force view grant_j as select * from student where
batch='B2';

View created.

```
SQL> grant delete on grant_j to j;
```

Grant succeeded.

9. User B has update and delete on students record of courses where there are no more than 5 student

```
SQL> create user b identified by user_b;
```

User created.

```
SQL> create or replace force view grant_b as select * from student where  
course in (select course from (select course,count(course) as freq from  
student group by course) where freq<=5);
```

View created.

```
SQL> grant update,delete on grant_b to b;
```

Grant succeeded.

10.User K has retrieve for Eldest and youngest student.

```
SQL> create user k identified by user_k; User created.
```

```
SQL> create or replace view grant_k as select * from student where  
dob=(select min(dob) from student) or dob=(select max(dob) from  
student);
```

View created.

```
SQL> grant select on grant_k to k;
```

Grant succeeded.

11.Create a tablespace user_space of 100Mb.

```
SQL> create tablespace user_space datafile 'user_space_data.dbf' size  
100M;
```

Tablespace created.

12.Change default tablespace of all users to 'user_space'

```
SQL> alter user b default tablespace user_space;
```

User altered.

13.Allocate 10Mb Quota to each user.

```
SQL> alter user b quota 10M on user_space;
```

User altered.