

**Assignment Of**

**ITEC-515 DB Administration & Management**

**Practice Lab Task 6**

**Submitted To:**

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**Lab Practice 6 – Database Systems**

**Note:** Here I’ve create an account in Oracle Database using **SQL Plus** named **Mubashir Ali**

➢ In **Mubashir Ali** account I’ve created a table with specification, see below.

• Table name **Course** with 2 columns **Course\_id** & **Course\_name.**

**Note:** Also two more Accounts I’ve created **Bee** & **Chris.**

**Note:** To **Bee** I’ve granted some special permissions

**Queries:**

**Grant Alter, Delete, Insert, Select, Update On Course To Bee;**

**Note:** To **Chris** I’ve granted only view permissions

**Queries:**

**Grant Select On Course To Chris;**

Now I’m trying to view,

# Select \* From Course;

**Output:**

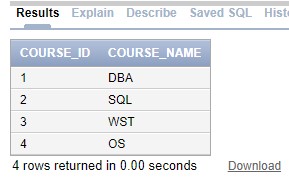
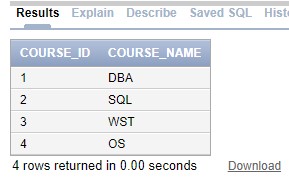


## **From Bee:**



**From Chris:**

# Select \* From **Mubashir Ali**.Course;



**Output**:

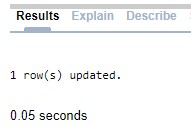
**From Bee:**

**From Chris:**

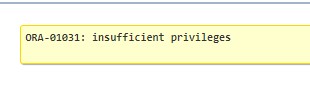
# Update **Mubashir Ali**.Course Set Course\_Name = 'Intro To Sql'

# Where Course\_Name = 'Sql';

**Output:**

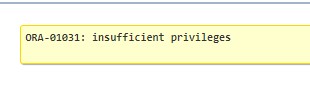


## **From Bee:**



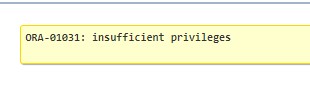
**From Chris:**

# Create Index Ind\_Course\_Name On Alex.Course (Course\_Name);



**Output:**

**From Bee:**



**From Chris:**

**Practice Questions**

1. **Create two roles:** 
   1. Teachers
   2. Students

**Queries:**

**Create Role Teachers;**

**Queries:**

**Create Role Students;**

1. **Create Following accounts** 
   1. **Teachers**
2. **UserName**: Zia

**Password**: 123

ii. **UserName**:Arshad

**Password**: 1234

iii. **UserName**: Sara

**Password**: 12345

* 1. **Students**

i. **Username**: Fahad

**Password**: 1234

ii. **Username**: Nida

**Password**: 12345

iii. **Username**: Ali

**Password**: 123456

iv. **Username**: Khan

**Password**: 1234567

**Teachers Accounts:**

**Queries:**

**Create User Zia Identified By 123; Default Tablespace Users**

**Temporary Tablespace Temp**

**Quota Unlimited On Users;**

**Queries:**

**Create User Arshad Identified By 1234;**

**Default Tablespace Users**

**Temporary Tablespace Temp**

**Quota Unlimited On Users;**

**Queries:**

**Create User Sara Identified By 12345;**

**Default Tablespace Users**

**Temporary Tablespace Temp**

**Quota Unlimited On Users;**

**Students Accounts:**

**Queries:**

**Create User Fahad Identified By 1234;**

**Default Tablespace Users**

**Temporary Tablespace Temp**

**Quota Unlimited On Users;**

**Queries:**

**Create User Nida Identified By 12345;**

**Default Tablespace Users**

**Temporary Tablespace Temp**

**Quota Unlimited On Users;**

**Queries:**

**Create User Ali Identified By 123456;**

**Default Tablespace Users**

**Temporary Tablespace Temp**

**Quota Unlimited On Users;**

**Queries:**

**Create User Khan Identified By 1234567;**

**Default Tablespace Users**

**Temporary Tablespace Temp**

**Quota Unlimited On Users;**

**iii. Grant below mentioned permissions to roles**

1. **Teachers**

* 1. grant alter session
  2. create session
  3. create database link iv. create table
  4. create sequence
  5. create synonym vii. create view

1. **Students** 
   1. grant alter session
   2. create session iii. create database link

## Granting Permission to Teachers Role

**Queries:**

**Grant Alter Session, Create Session, Create Database Link, Create Table, Create Sequence, Create Synonym, Create View To Teachers;**

## Granting Permission To Students Role

**Queries:**:

**Grant Alter Session, Create Session, Create Database Link To Students;**

iv. Assigning Roles to Users

1. Assign **Teachers** role to following users
   1. Zia
   2. Arshad
   3. Sara
2. Assign **Students** role to following users
   1. Fahad
   2. Nida
   3. Ali
   4. Khan

**Assigning Teachers Roles users**

**Queries:**

**Grant Teachers To Zia, Arshad, Sara;**

## Assigning Students Role To Users

**Queries:**

**Grant Students To Fahad, Nida, Ali, Khan;**

1. Login into User **“Zia”** Account and Create following **Results** table.

Table Name: **Results**

|  |  |  |  |
| --- | --- | --- | --- |
| **Result\_id** | **CourseName** | **Student\_role\_number** | **Marks** |
| 1 | JAVA | 1 | 50 |
| 2 | DATABASE | 1 | 60 |
| 3 | CPP | 2 | 70 |
| 4 | BASIC ELECTRONICS | 2 | 80 |

1. Login into User “**Fahad**” Account.

Try to view results of all students by executing query.

**“select \* from result”**

**Output:**



### From Fahad:

Now go back to “**Zia**” Account and grant permissions to “**Fahad and Nida”** so that they view all records from **results** table.

**Queries:**

(First Connect Zia Account in SQLPlus then run query written below)

**Grant Select On Results To Fahad, Nida;**

1. Also Assign “**select, insert, update** and **delete”** permissions on “**Results** **table”** to teachers “**Arshad and Sara**”

**Queries:**

(As above Zia account is connect, so you can run the below query)

**Grant Alter, Delete, Insert, Select, Update On Results To Arshad, Sara;**

1. Now Login into “**Sara”** account and try to insert a row in Results table.

**Queries:**

# Insert Into Zia.Results(Result\_Id, Coursename, Student\_Role\_Number, Marks) Values(5, Python', 4, 75);

1. Now Login into “**Arshad”** account and try to delete a record having **result\_id of “3”** Results table.

**Queries:**

**Delete Zia.Results**

**Where Result\_Id = 3;**

1. Delete user account of “**Khan**” also revoke all his permissions.

**Queries:**

**Drop User Khan Cascade;**

***THE END***