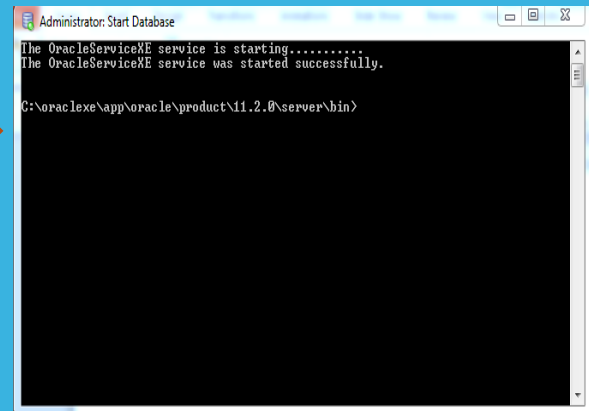
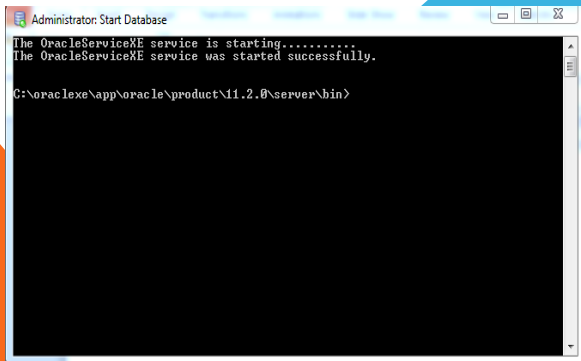
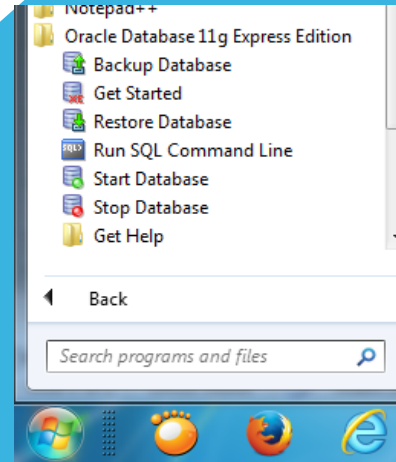
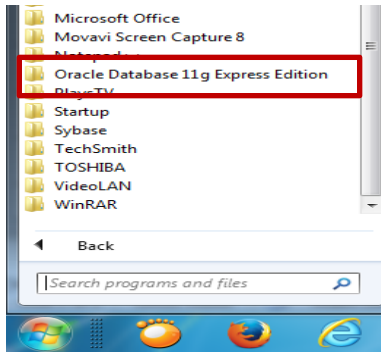


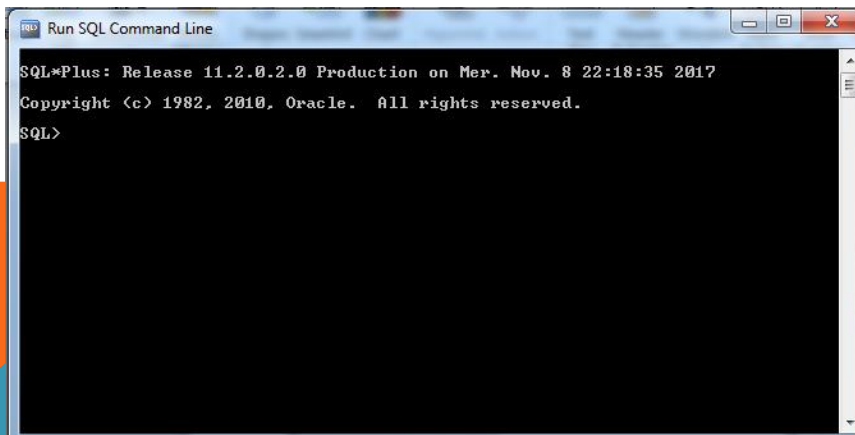
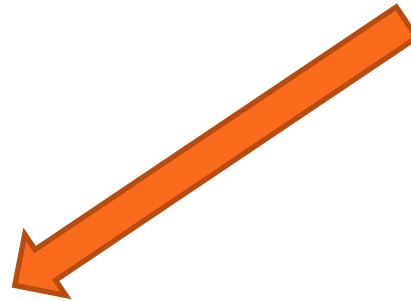
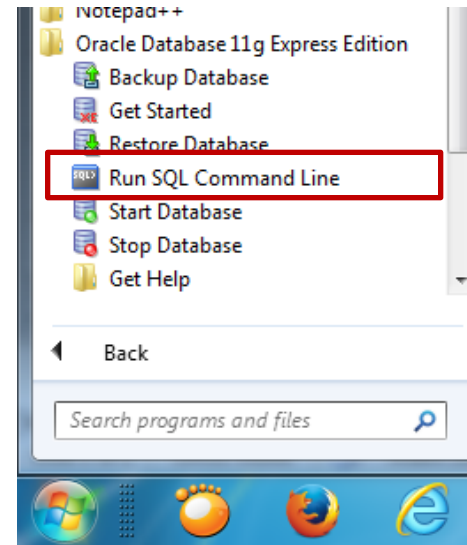
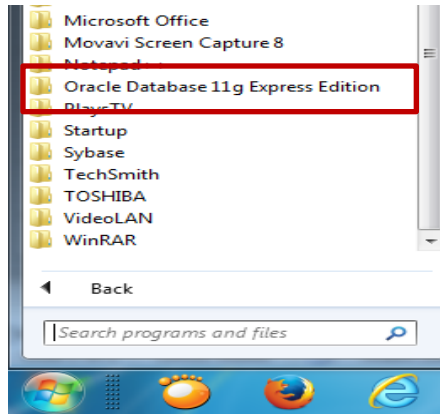
GEOM415

Oracle Database 11g

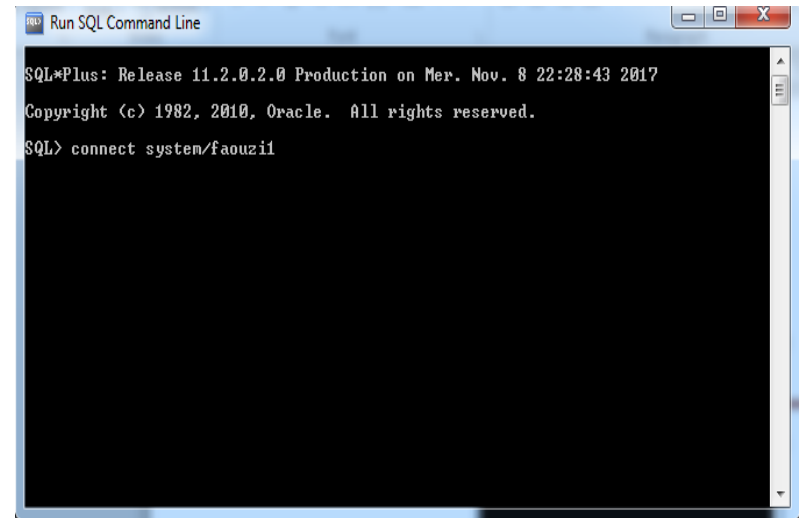
To Start database



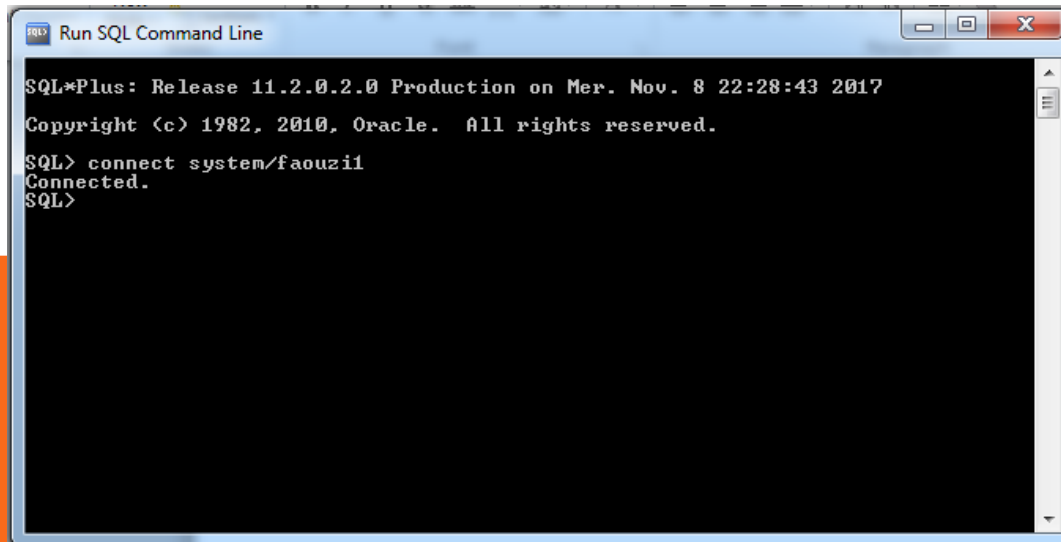
To Run SQL Command Line



Connect to System



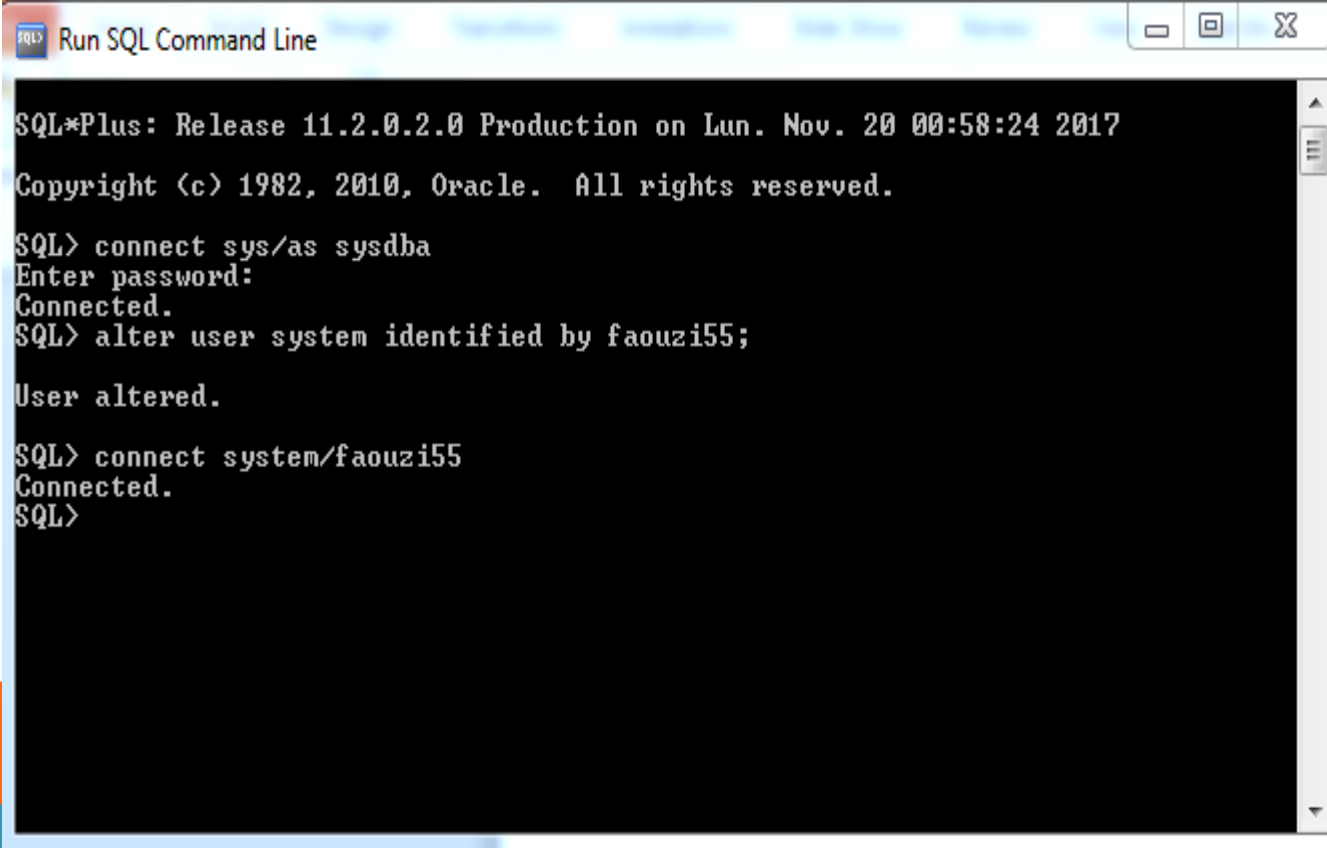
```
Run SQL Command Line
SQL*Plus: Release 11.2.0.2.0 Production on Mer. Nov. 8 22:28:43 2017
Copyright (c) 1982, 2010, Oracle. All rights reserved.
SQL> connect system/faouzi1
```



```
Run SQL Command Line
SQL*Plus: Release 11.2.0.2.0 Production on Mer. Nov. 8 22:28:43 2017
Copyright (c) 1982, 2010, Oracle. All rights reserved.
SQL> connect system/faouzi1
Connected.
SQL>
```



Reset SYSTEM password



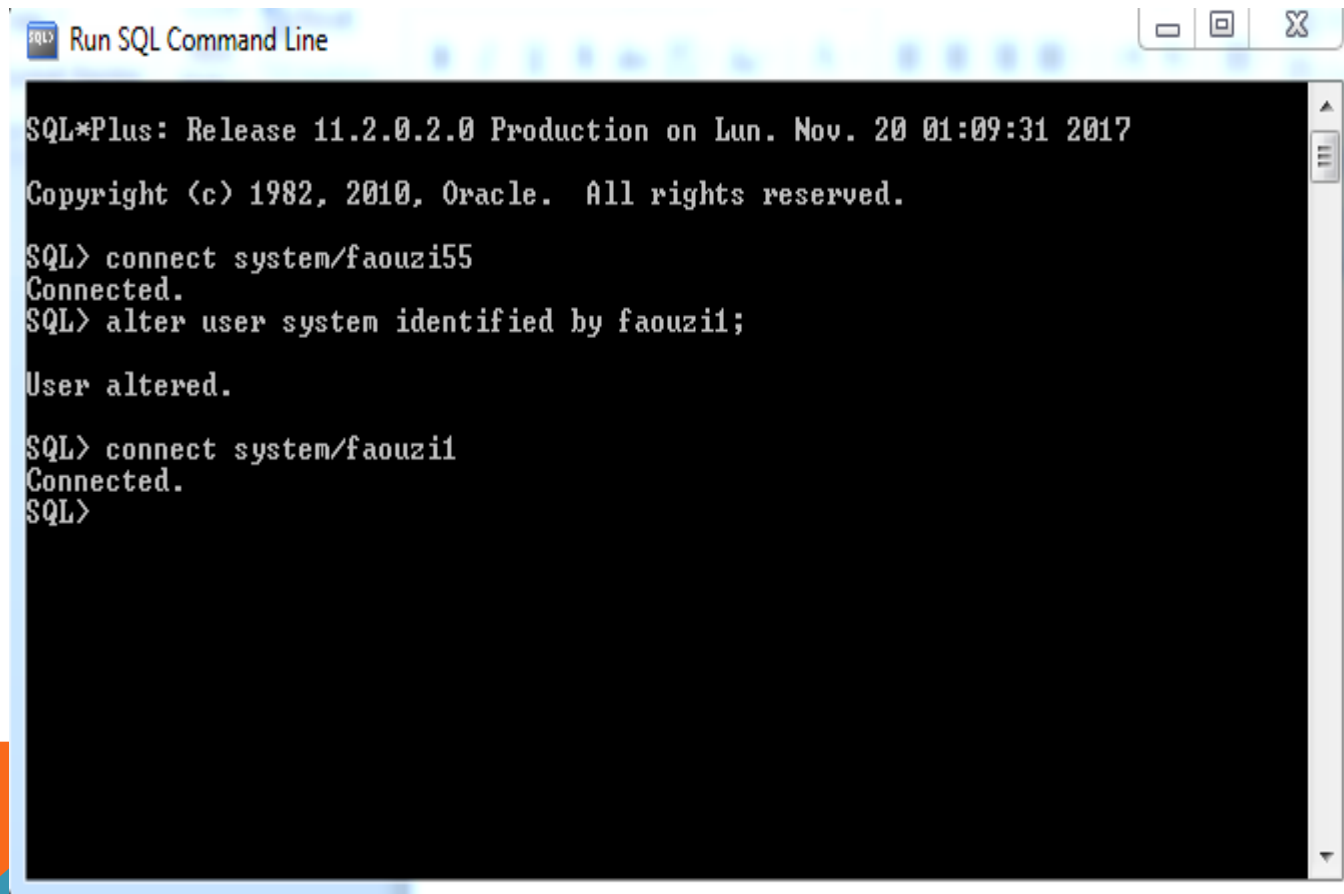
```
SQL*Plus: Release 11.2.0.2.0 Production on Lun. Nov. 20 00:58:24 2017
Copyright (c) 1982, 2010, Oracle. All rights reserved.

SQL> connect sys/as sysdba
Enter password:
Connected.
SQL> alter user system identified by faouzi55;

User altered.

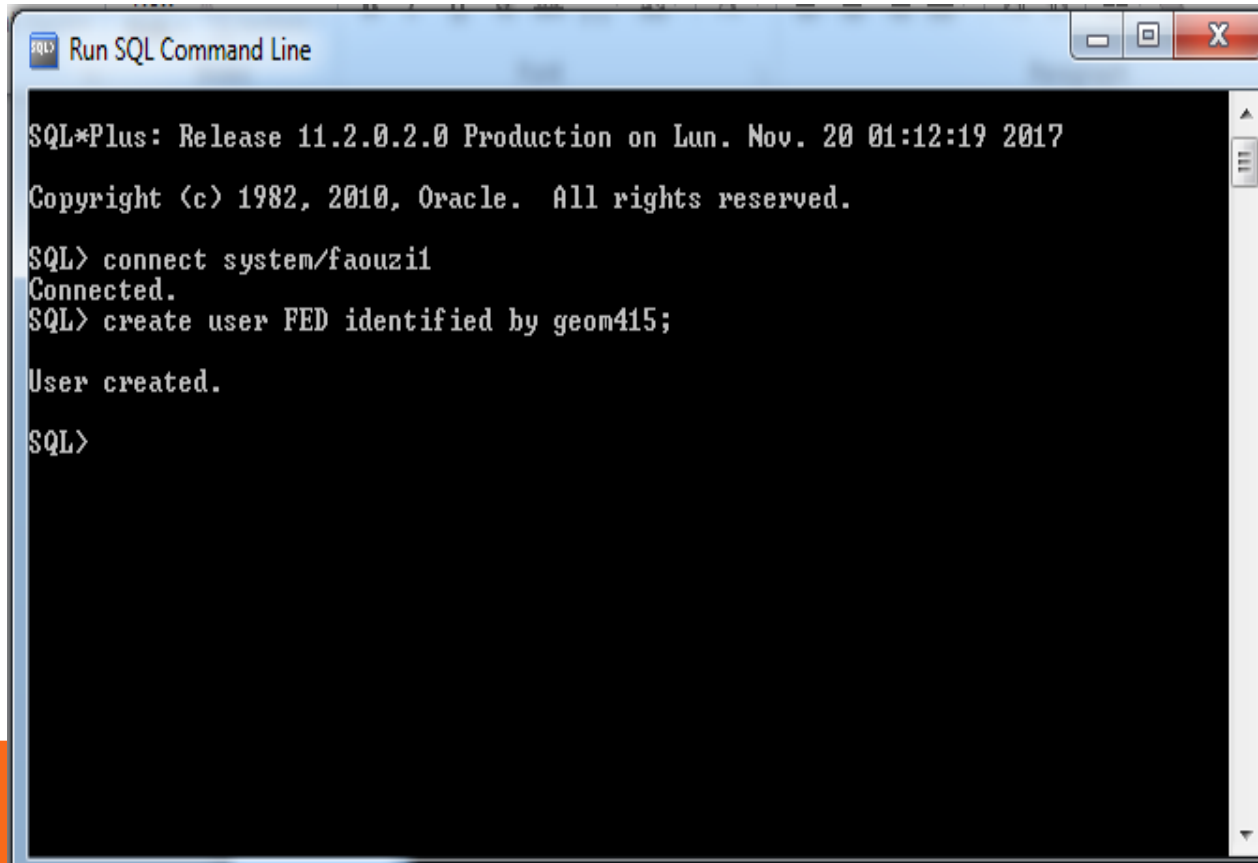
SQL> connect system/faouzi55
Connected.
SQL>
```

Change the system password



```
Run SQL Command Line
SQL*Plus: Release 11.2.0.2.0 Production on Lun. Nov. 20 01:09:31 2017
Copyright (c) 1982, 2010, Oracle. All rights reserved.
SQL> connect system/faouzi55
Connected.
SQL> alter user system identified by faouzi1;
User altered.
SQL> connect system/faouzi1
Connected.
SQL>
```

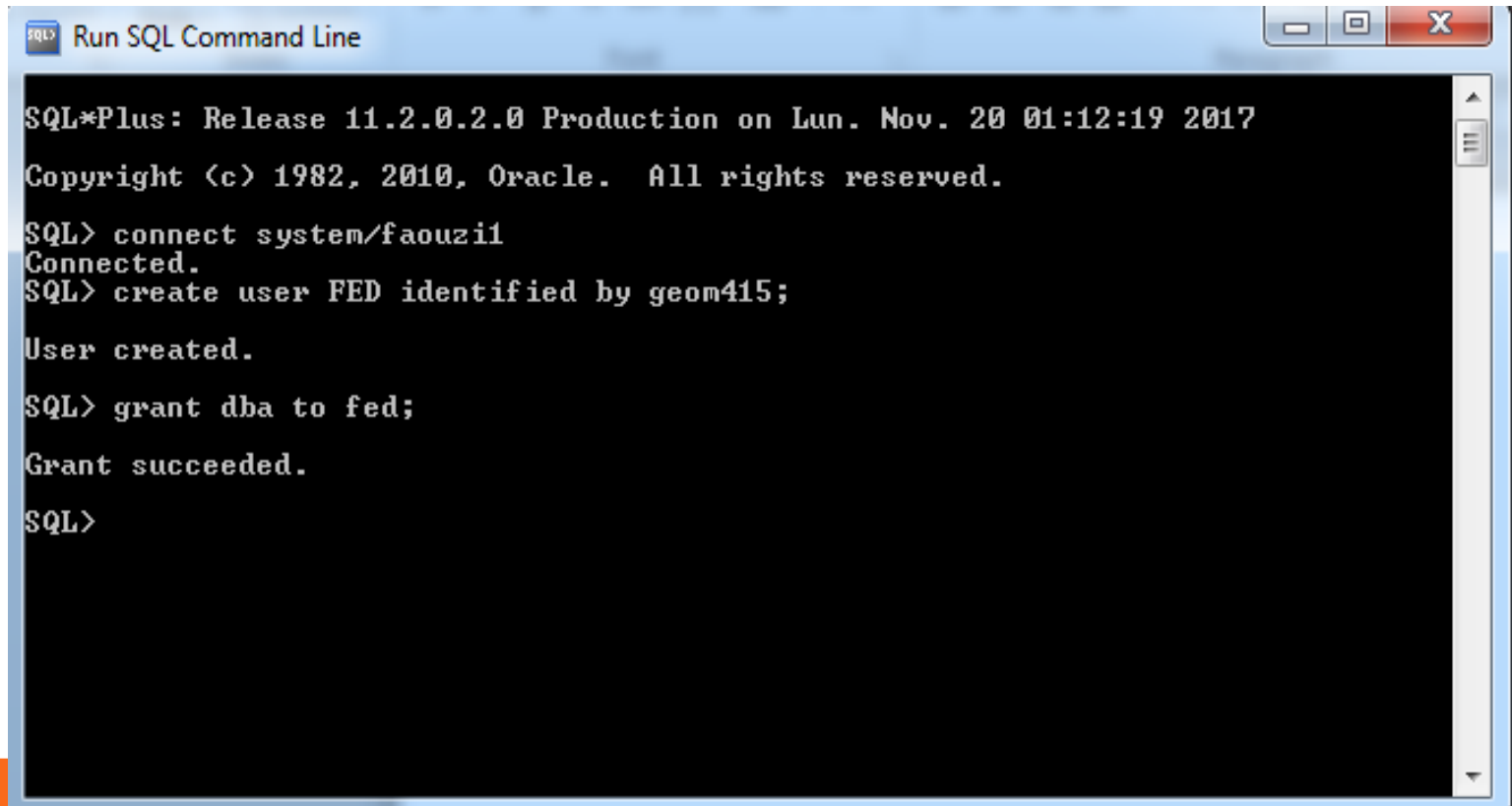
Create user



```
Run SQL Command Line
SQL*Plus: Release 11.2.0.2.0 Production on Lun. Nov. 20 01:12:19 2017
Copyright (c) 1982, 2010, Oracle. All rights reserved.
SQL> connect system/faouzi1
Connected.
SQL> create user FED identified by geom415;

User created.
SQL>
```

Grant dba to user (database administrator)



```
SQL> Run SQL Command Line
SQL*Plus: Release 11.2.0.2.0 Production on Lun. Nov. 20 01:12:19 2017
Copyright (c) 1982, 2010, Oracle. All rights reserved.
SQL> connect system/faouzi1
Connected.
SQL> create user FED identified by geom415;
User created.
SQL> grant dba to fed;
Grant succeeded.
SQL>
```


Change user password

```
SQL> alter user fed identified by geom_415;
```

```
User altered.
```

```
SQL>
```

Create tables

```
SQL> create table customers (  
2  customers_id number primary key,  
3  last_name varchar (30),  
4  first_name varchar (30),  
5  street_adress varchar (40),  
6  Province_code char (15),  
7  postal_code char (20));
```

Table created.

```
SQL>
```

```
SQL> Create table malls (  
2  Id_mall number primary key,  
3  Name varchar (60),  
4  description varchar (300),  
5  city varchar (30),  
6  Province_code varchar (30),  
7  postal_code varchar (30));
```

Table created.

```
SQL>
```

List All Tables

```
SQL> select * from tab;
```

TNAME	TABTYPE	CLUSTERID
CUSTOMERS	TABLE	
MALLS	TABLE	

```
SQL>
```

Describe Tables

```
SQL> desc customers
```

Name	Null?	Type
CUSTOMERS_ID	NOT NULL	NUMBER
LAST_NAME		VARCHAR2(30)
FIRST_NAME		VARCHAR2(30)
STREET_ADDRESS		VARCHAR2(40)
PROVINCE_CODE		CHAR(15)
POSTAL_CODE		CHAR(20)

```
SQL>
```

Add column

```
SQL> alter table customers add sex char (1);  
Table altered.  
SQL> desc customers
```

Name	Null?	Type
CUSTOMERS_ID	NOT NULL	NUMBER
LAST_NAME		VARCHAR2(30)
FIRST_NAME		VARCHAR2(30)
STREET_ADDRESS		VARCHAR2(40)
PROVINCE_CODE		CHAR(15)
POSTAL_CODE		CHAR(20)
SEX		CHAR(1)

```
SQL>
```

Delete column

```
SQL> alter table customers drop column sex;
```

```
Table altered.
```

```
SQL> desc customers
```

Name	Null?	Type
CUSTOMERS_ID	NOT NULL	NUMBER
LAST_NAME		VARCHAR2(30)
FIRST_NAME		VARCHAR2(30)
STREET_ADRESS		VARCHAR2(40)
PROVINCE_CODE		CHAR(15)
POSTAL_CODE		CHAR(20)

```
SQL>
```

Renaming an Oracle table column

```
SQL> alter table customers  
  2  rename column first_name to given_name;
```

Table altered.

```
SQL> desc customers
```

Name	Null?	Type
CUSTOMERS_ID	NOT NULL	NUMBER
LAST_NAME		VARCHAR2(30)
GIVEN_NAME		VARCHAR2(30)
STREET_ADDRESS		VARCHAR2(40)
PROVINCE_CODE		CHAR(15)
POSTAL_CODE		CHAR(20)

```
SQL>
```

Renaming an Oracle table column

```
SQL> alter table customers  
  2  rename column given_name to first_name;  
  
Table altered.
```

```
SQL> desc customers  
Name                               Null?    Type  
-----  
CUSTOMERS_ID                       NOT NULL NUMBER  
LAST_NAME                           VARCHAR2(30)  
FIRST_NAME                           VARCHAR2(30)  
STREET_ADDRESS                       VARCHAR2(40)  
PROVINCE_CODE                        CHAR(15)  
POSTAL_CODE                           CHAR(20)  
  
SQL>
```

Oracle rename table syntax

```
SQL> alter table customers rename to visitors;  
Table altered.
```

```
SQL> desc visitors  
Name                               Null?    Type  
-----  
CUSTOMERS_ID                       NOT NULL NUMBER  
LAST_NAME                           VARCHAR2(30)  
FIRST_NAME                           VARCHAR2(30)  
STREET_ADDRESS                       VARCHAR2(40)  
PROVINCE_CODE                        CHAR(15)  
POSTAL_CODE                           CHAR(20)  
  
SQL>
```