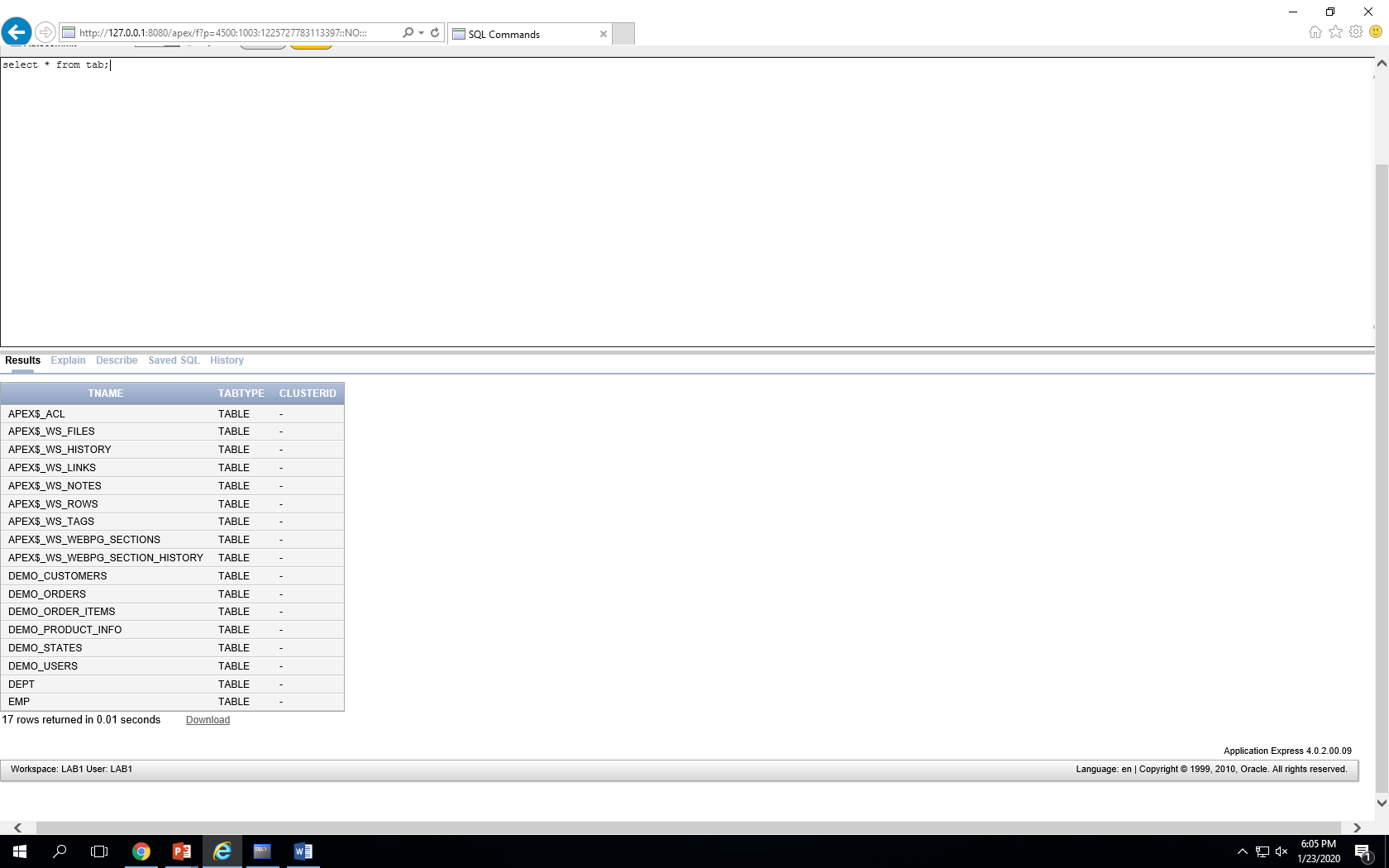
**Lab 1**

**10 points**

1. **Open Oracle 11g Express, login and create a new workspace called Lab1. Login to the workspace and execute the query below. Take a screen shot of the result set and paste it in the space below.**

select \* from tab;



1. **Login to SQL\*Plus as the SYSTEM user. Execute the same query. How are the results different?**

Logging in as a DBA or a SYSTEM user gives you access to all the tables in the database where logging in as a regular user will give you access to tables that the DBA has permitted you.

1. **List all the users that are in the database. (Write the SQL Statement here)**

select \* from demo\_states;

* 1. **Find one of the tables owned by one of the users other than sys or system. Try to query that table. What happens?**

Table or view does not exist. The DBA would have to impersonate as the user to access the table.

* 1. **Login as that user (Lab1). Now try to query that table. What happens?**

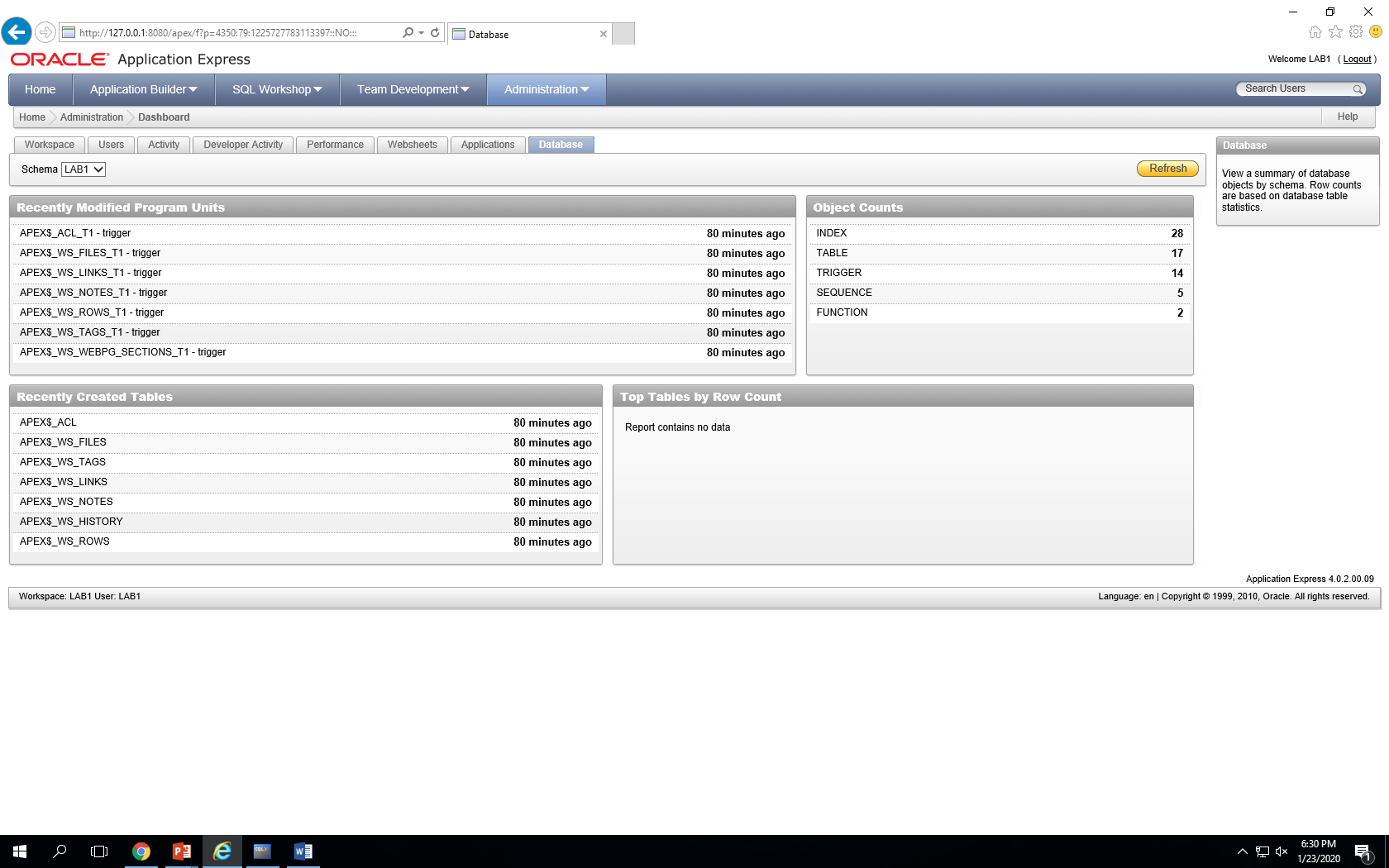
The query successfully ran and returned 51 rows.

1. **Query the following catalog tables and explain the difference between them:**
   * 1. **user\_tables, user\_tab\_columns, user\_catalog, user\_constraints, user\_tab\_comments**

**The describe command may be helpful here.**

* user\_tables: Tables owned by user or in the “USERS” tablespace
* user\_tab\_columns: Columns in the tables owned by user
* user\_catalog: Table types of tables owned by user
* user\_constraints: Search condition or constraints assigned to tables owned by user
* user\_tab\_comments: Comments about tables owned by user

1. **Visit the Administration tab in Oracle 11g Express and find out how many different objects there are in your workspace.**



* 66 objects