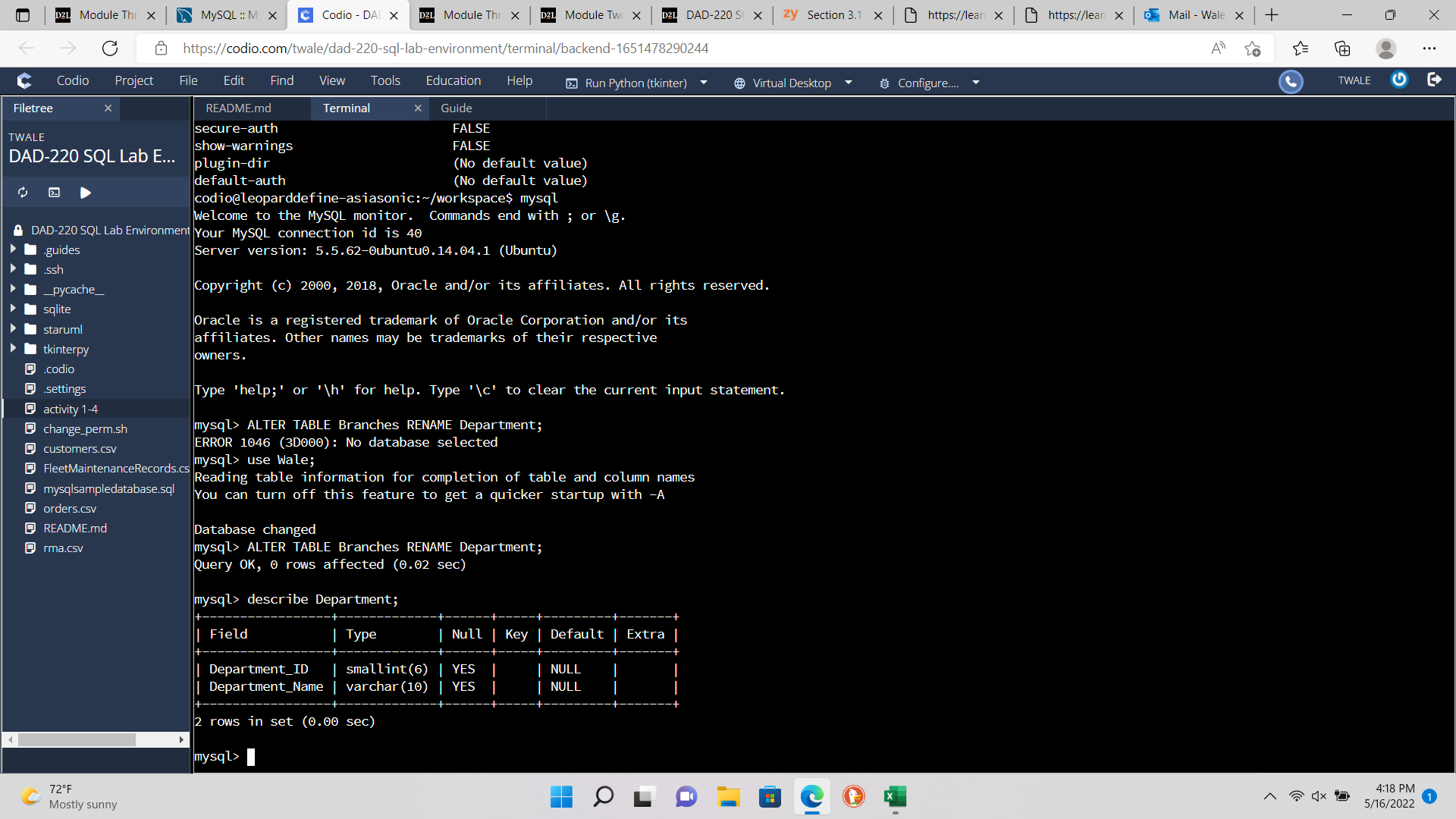
DAD 220

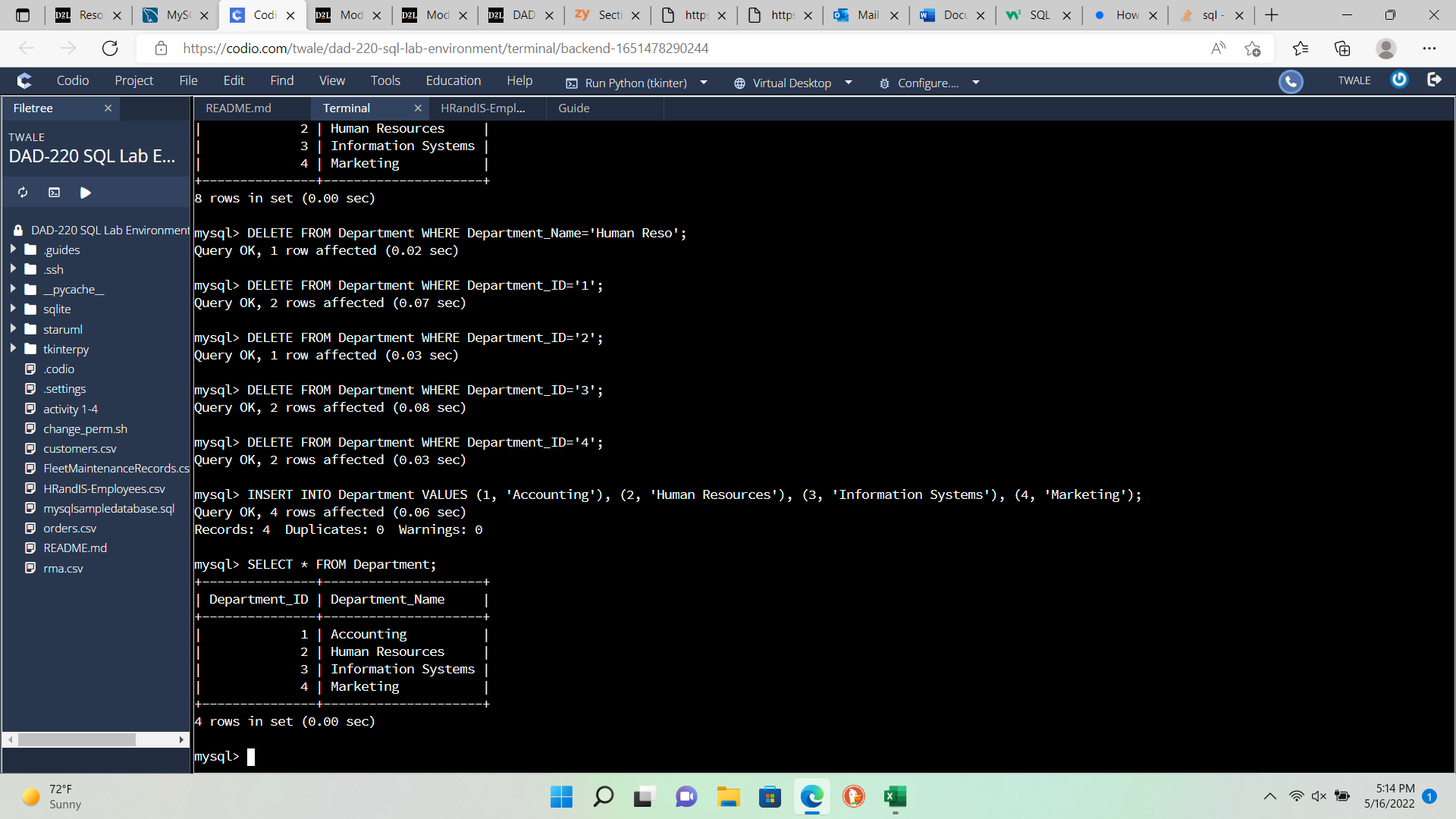
Ahmer Allauddin

Tanner Wale

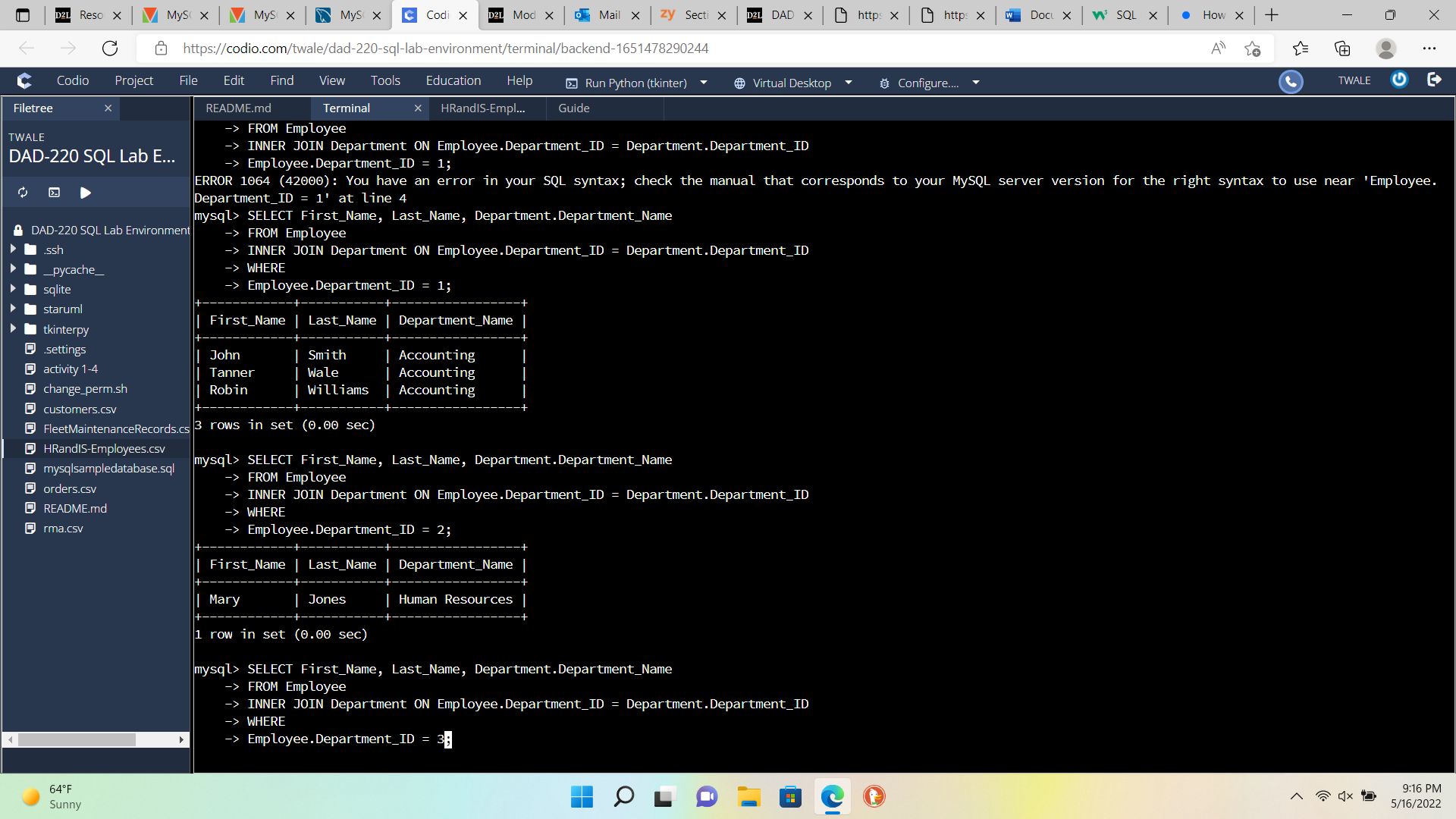
17 May 2022



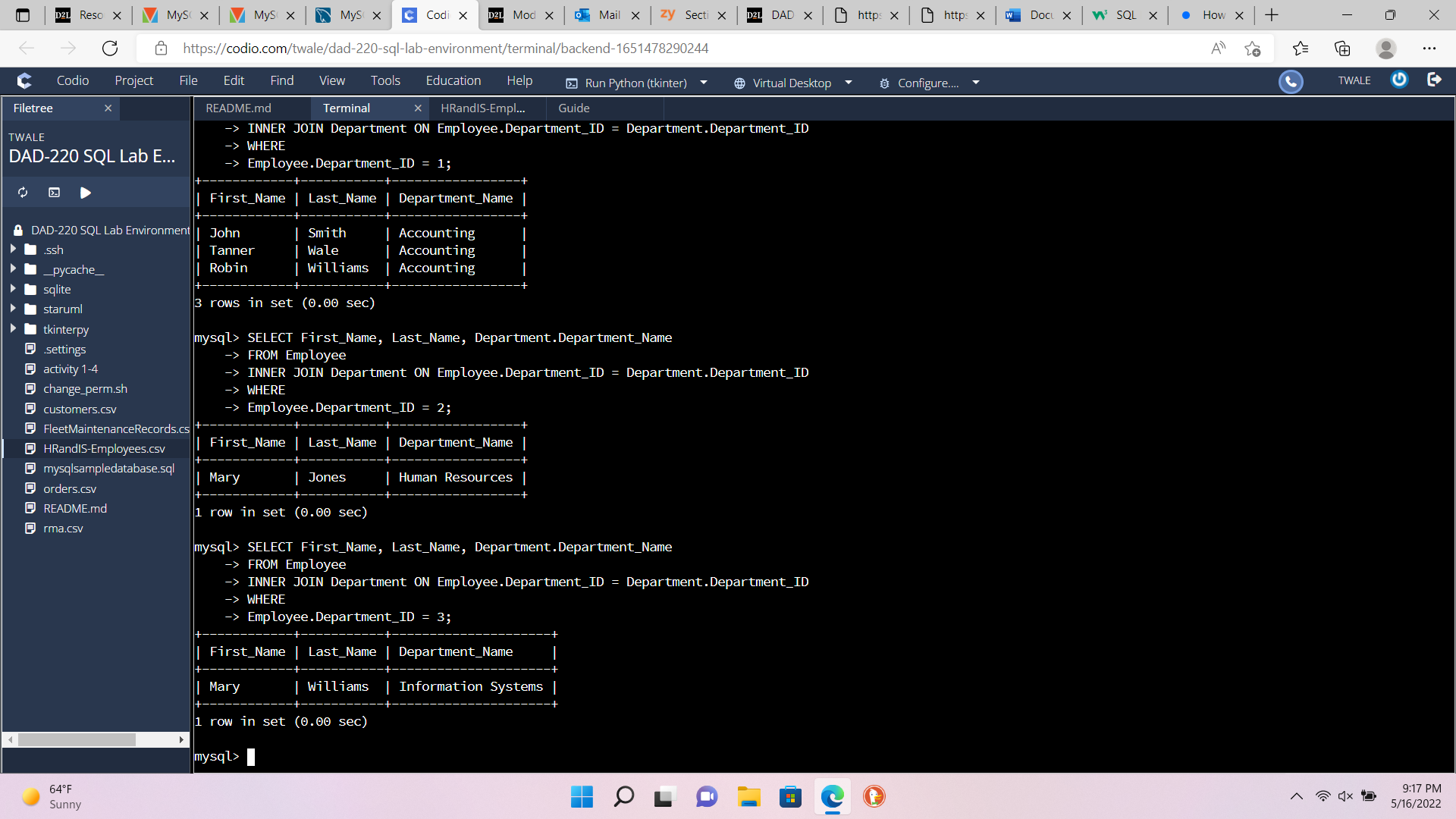
Renamed Branches table to Department table.



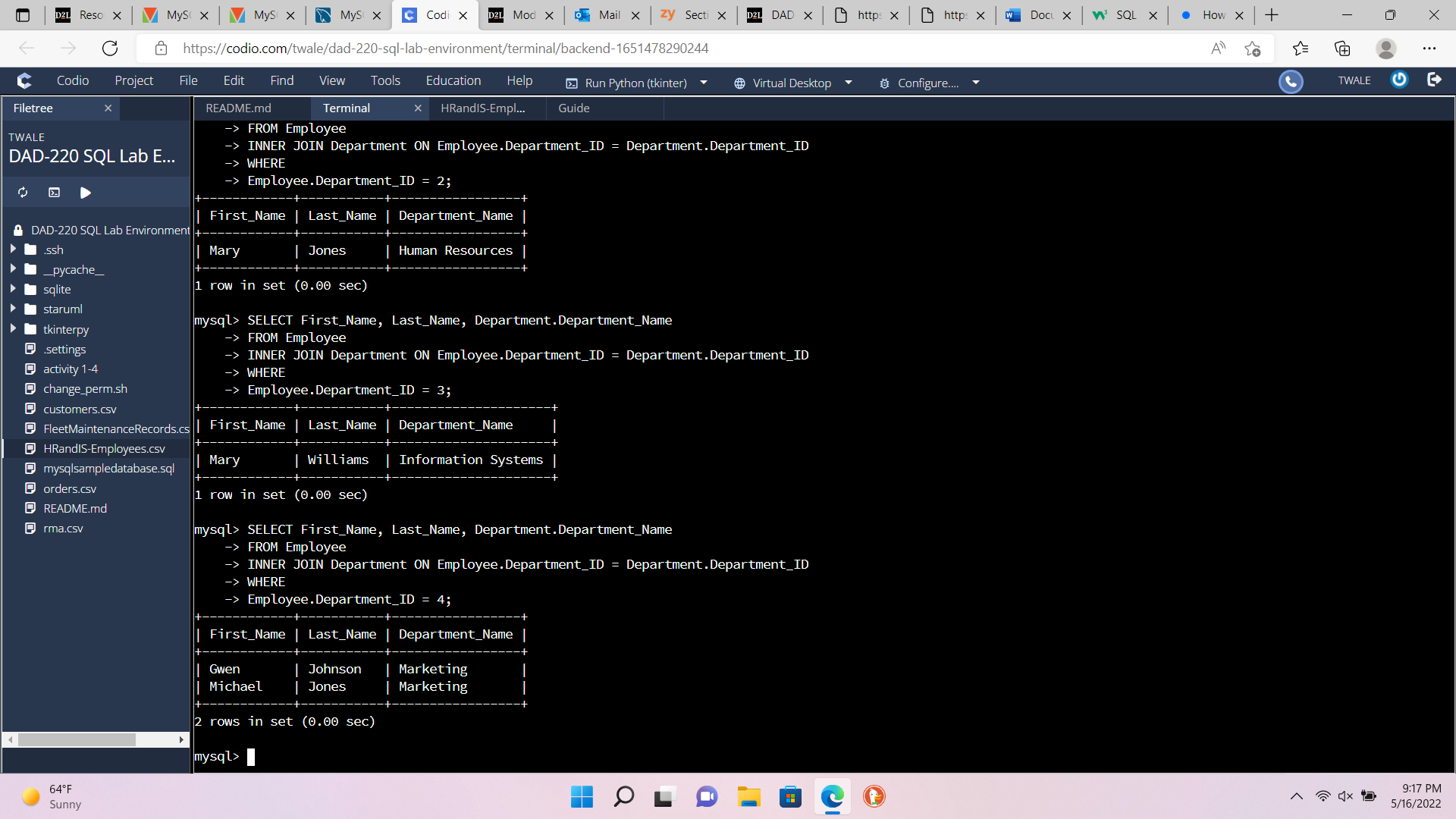
Adding Department\_ID and Department\_Name into the Department table.



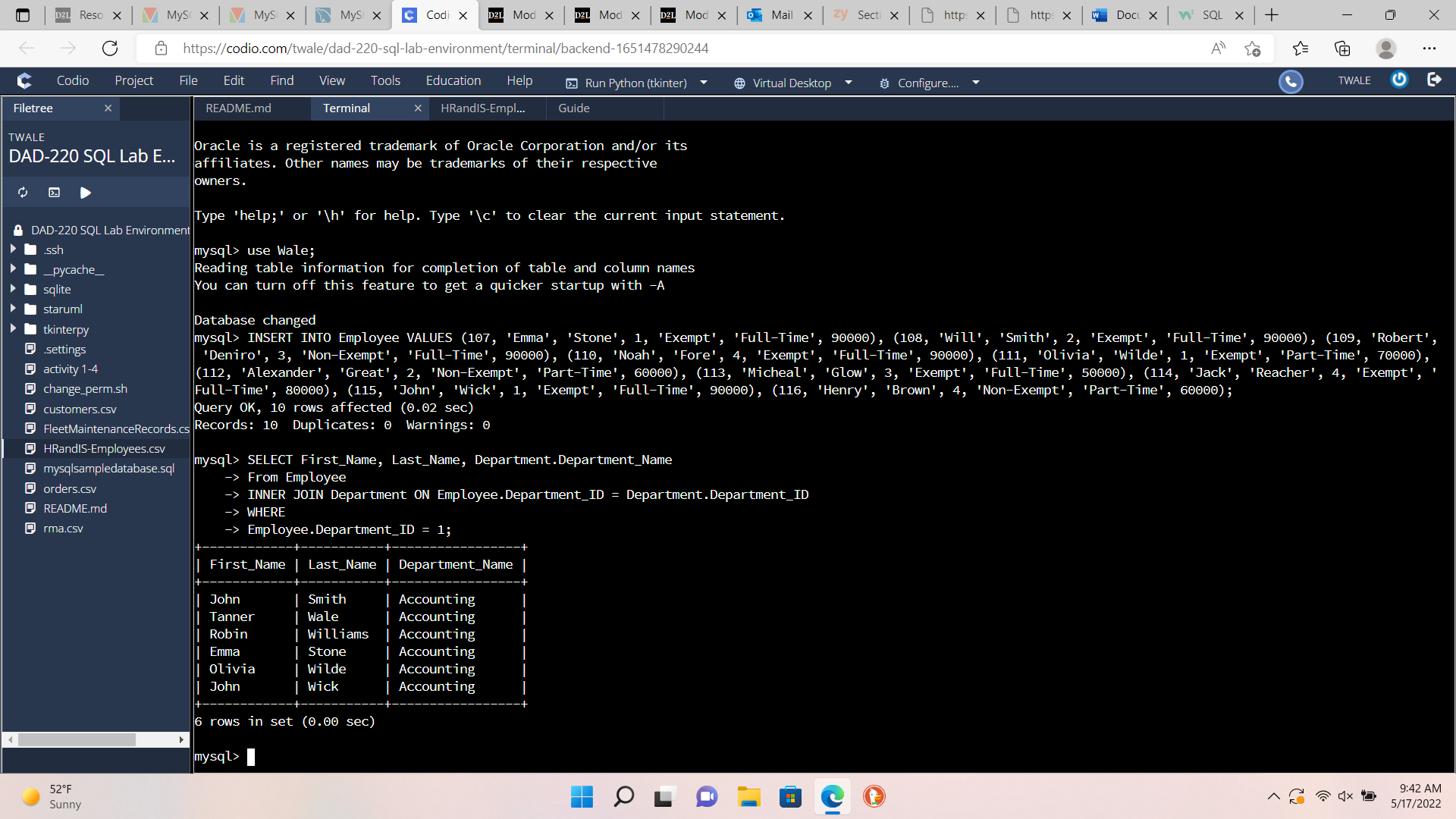
Old Employees being returned by using Employee.Department\_ID.



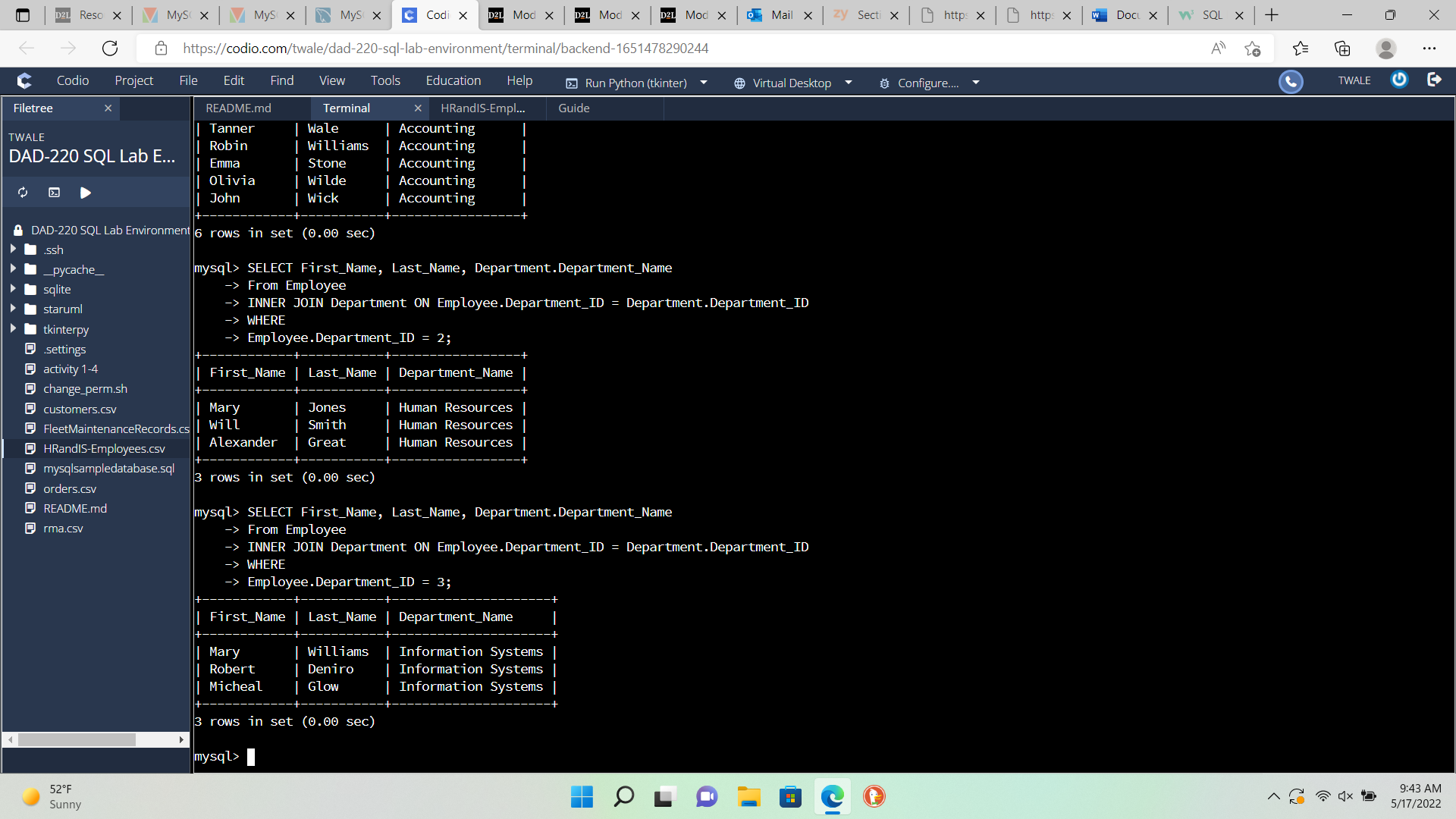
Old Employees being returned by using Employee.Department\_ID.



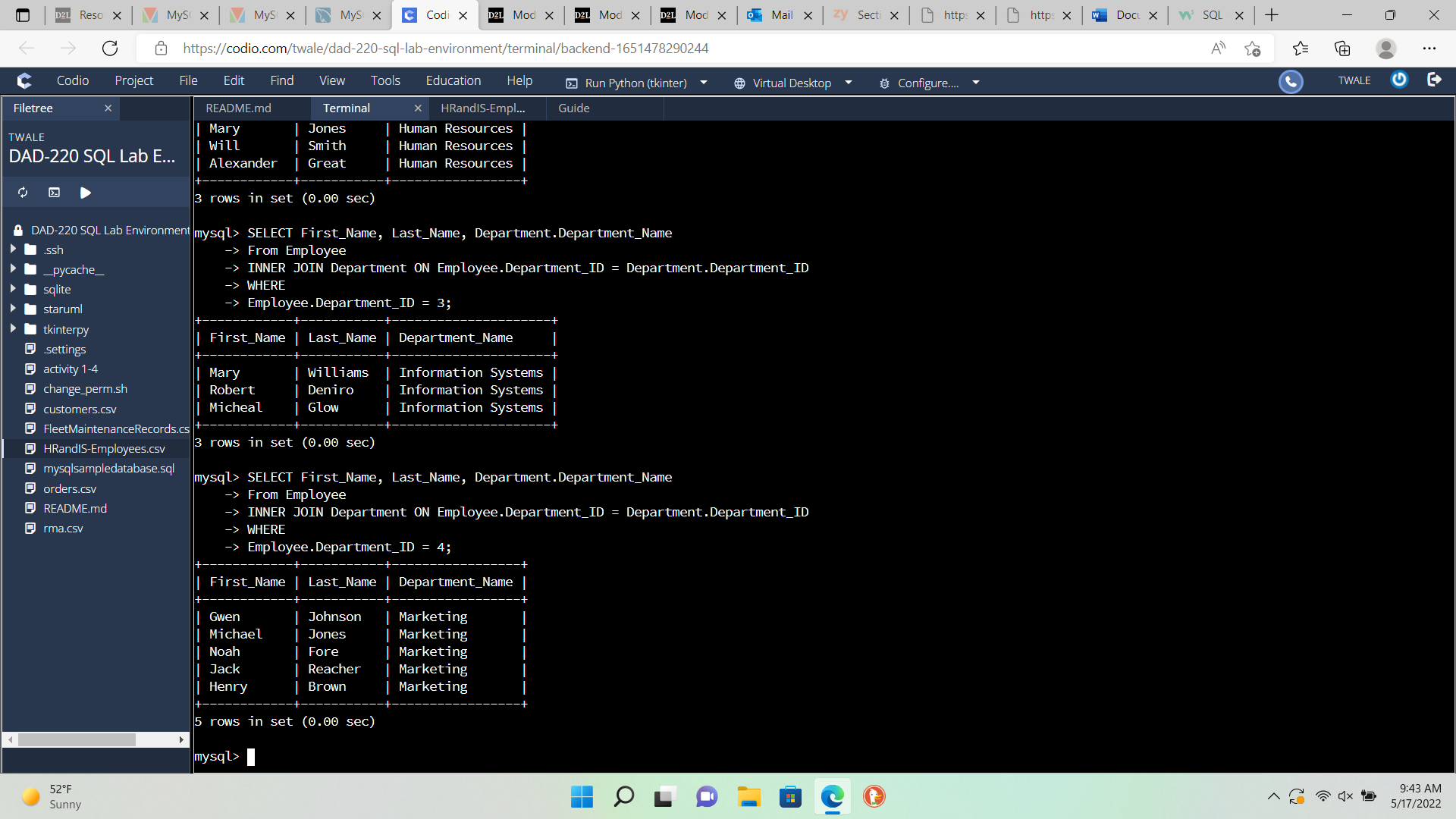
Joining tables using the INNER JOIN with specific Department\_ID numbers for Accounting, Human Resources, Information Systems, and Marketing. Old Employees being returned by using Employee.Department\_ID.



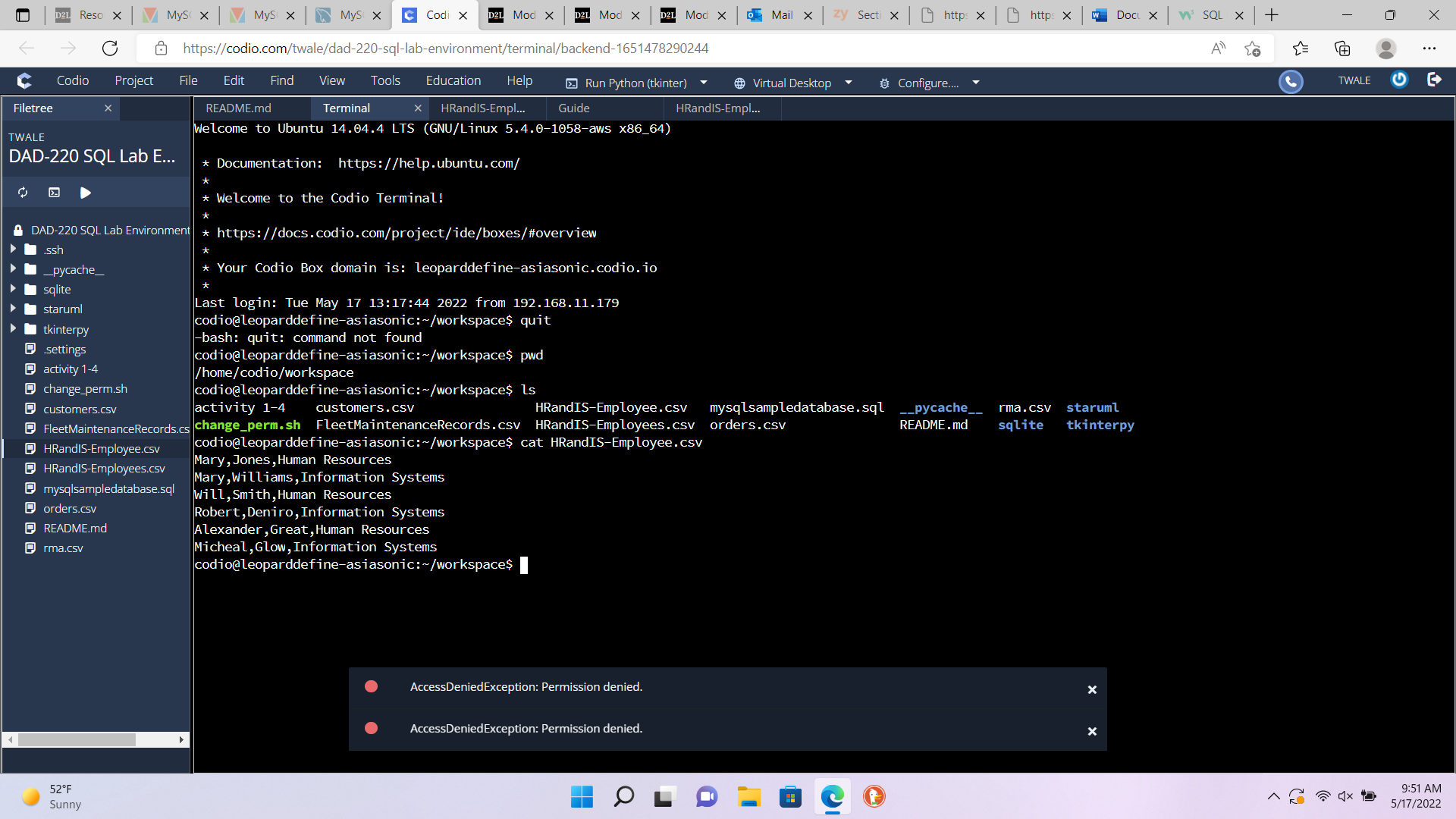
New Employees being added and returned by using Employee.Department\_ID.



New Employees being returned by using Employee.Department\_ID.



Outputting of new records after adding 10 new records including First name, Last Name, Employee\_ID, Salary, Part-Time or Full-Time, and Non-Exempt or Exempt, and Depatment\_ID. Which Department\_ID gives them their Department\_Name. In Accounting six employees are returned. In Human Resources three employees have been returned. In Information Systems three employees have been returned. In Marketing five employees have been returned. There were seven employees we added ten more employees and after returning all Department\_IDs we have seventeen employees.



Outputting all Human Resources and Information Systems by using INNER JOIN, WHERE, Department\_ID 2 OR 3.

1. **Explain** how **the joins** you used in this assignment worked.

We used the INNER JOIN to connect Employee.Department\_ID equal to Department.Department\_ID and specified using WHERE clause Employee.Department\_ID = 1, 2, 3, or 4. The INNER JOIN connects the Employee table to the Department table by ID numbers.

**Describe** whythe **commands** you used were able to retrieve the Department table when you selected the Department name.

The commands used were SELECT Department.Department.Name. This SELECT statement first assigns the table it is looking for which is Department. Then, finds the attribute Department\_Name.

1. **Identify** how many **records** are in the file when you write the records of your query to a CSV file.

There are six records in the CVS file after only certain Department\_Name attribute Human Resources and Information Systems.

1. **Explain**, in detail, the process of **extracting data** to a flat file.

The process of extracting data to a flat file is first selecting the certain attributes you want to extract from the tables like First\_Name, Last\_Name, Department.Department\_Name. Then, use the FROM command for specifying where you are getting the table from, in this case Employee. Then, use INNER JOIN to match Employee.Department\_ID equal to Department.Department\_ID. Then, specify WHERE or which Department\_IDs you want to output to the CVS file. Finally, use INTO OUTFILE to output to a specific directory and the fields ended by commas ‘,’ and the data is formatted correctly by starting and ending First Name, Last Name, Department.Department\_ID on different lines.