PART I – THE POWER OF COMMIT

**Question 1.2**) What is the result of running the SELECT statement. Why?

Result:



Since there was no “End Transaction”, “COMMIT”, or even “Rollback” used,

It caused the “SELECT” query to be an empty set.

**Question 1.5**) What is the result of the SELECT statement above?

Result:

Text

Description automatically generated

PART II – THE POWER OF ROLLBACK

**Question 2.4**) What is the result of the SELECT statement, and why?

Result:

**Text

Description automatically generated**

This is our result since we inputted new data which changed datasets B and C

And deleted dataset D.

**Question 2.5**) What is the result of the SELECT statement, and why?

Result:

**A picture containing table

Description automatically generated**

Yes, we have updated and inserted new data but then why do we have our original data? Well, that’s because the “ROLLBACK” command rolls back to the original changes. Therefore, we have our original data (before inserting and updating it) as our result.

PART III – BE AWARE OF DEADLOCK

**Question 3**) What happened here?

Result:

Text

Description automatically generated

Our database has seemed to have gone into the Deadlock stage. This is mainly due to session 1 unable to complete until session 2 would complete itself. For session 2 to complete, session 1 needed to be done when in reality it wasn’t. Which was also the reason why it waited for the user to input something. Therefore, it resulted in a deadlock.