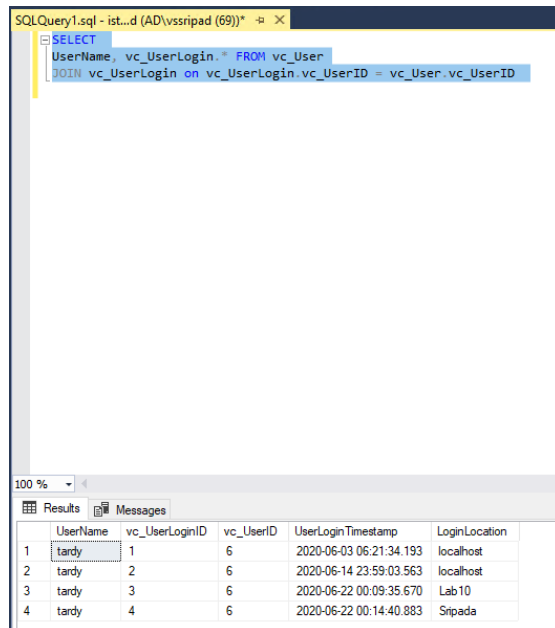


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Homework #10
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Topic: Lab08 – Using your Database

Part 1 – Creating a Graphical User Interface (GUI)



The screenshot shows the Microsoft Access SQL View window. The title bar reads "SQLQuery1.sql - ist...d (AD\vssripad (69))". The SQL query is as follows:

```
SELECT  
  UserName, vc_UserLogin.* FROM vc_User  
JOIN vc_UserLogin on vc_UserLogin.vc_UserID = vc_User.vc_UserID
```

Below the query, the "Results" pane displays the following data:

	UserName	vc_UserLoginID	vc_UserID	UserLoginTimestamp	LoginLocation
1	tardy	1	6	2020-06-03 06:21:34.193	localhost
2	tardy	2	6	2020-06-14 23:59:03.563	localhost
3	tardy	3	6	2020-06-22 00:09:35.670	Lab 10
4	tardy	4	6	2020-06-22 00:14:40.883	Sripada

If we only provided a value for LoginLocation, how did the software know what to use for vc_UserLoginID and UserLoginTimestamp?

So, it seems like when creating the Link tables Access learns the table properties.

Verified this by navigating to the Relationships view in Access. Right-click the table-name and go to Table Design. See that, vc_UserLoginID and UserLoginTimestamp are accurately marked:

- Required 'Yes'
- Data-types AutoNumber and Date/Time respectively.

So, when each new entry for LoginLocation was provided vc_UserLoginID was auto incremented and a Date/Time value was appropriately added to UserLogin Timestamp.

Based on what the behavior we saw and the form/subform relationship, how did the software know which vc_UserID to use for the vc_UserLogin record?

In this specific case, we navigated to that record 'Tardy'. Not sure I understood the question.

What are some pros and cons (at least 2 of each) to using Access to manage SQL Server data?

Pros

- Simple to use without having to master the SQL syntax.
- Easy to navigate and visualize datasets using tabs/Datasheet view rather than having to repeatedly run the same commands when directly working with SQL servers.

Cons

- Navigating away from a record you are modifying automatically saves it. This may go un-noticed many a time.
Although 'Refresh' can help recover, this behavior needs some getting used to.
- Additional license cost with Access.