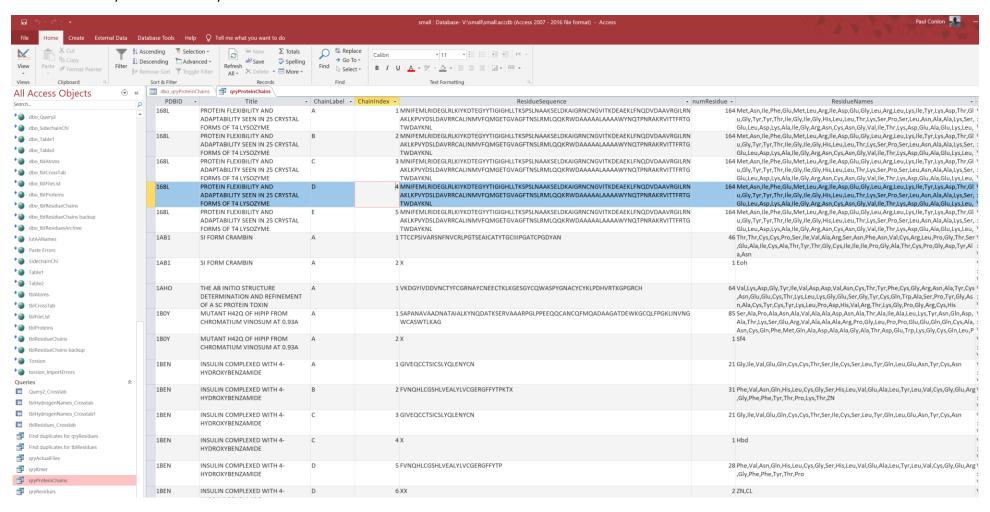
Specimen for Class 09: Downloadable computer software for the scientific analysis and management of protein and genetic sequences.

It is common for software to access data remotely via either native APIs or generically via ODBC. Below example is a Microsoft Access data accessing data hosted on a remote SQL Server database. Here Microsoft Access is used as a "front-end" tool, "attaching" to remote tables. This Microsoft Access software database file is stored on a cloud drive, and may be downloaded by anyone with a connection to the drive. Editing data here will update the data in the "back-end" database because of the live connection.

Tools such as R likewise have database connection software libraries that similarly connect to a remote database server. So, for example *machine learning* libraries can easily access and analyze scientific data.



Specimen for Class 42. This is a query from our database running in SQL Server 2016 on a Windows Server 2016 server. Data is accessible remotely via a VPN. Microsoft provides tools to "upsize" from on-premise server to the Microsoft Azure cloud version of SQL Server. Remote access from the cloud would use similar connectivity to access data.

