



## Database access from Python

TOTAL POINTS 5

1. A database cursor is a control structure that enables traversal over the records in a database. (T/F)

1 point

- ☒ True  
☐ False

2. The ibm\_db API provides a variety of useful Python functions for accessing and manipulating data in an IBM data server like Db2. Is this statement True or False?

1 point

- ☒ True  
☐ False

3. A Dataframe represents a tabular, spreadsheet-like data structure containing an ordered collection of columns, each of which can be a different value type. Indicate whether the following statement is True or False:

1 point

A pandas dataframe in Python can be used for storing the result set of a SQL query.

- ☒ True  
☐ False

4. Which of the following statement(s) about Python is/are NOT correct (i.e. False)?

1 point

- ☐ The Python ecosystem is very rich and provides easy to use tools for data science.  
☒ Due to its proprietary nature, database access from Python is not available for many databases.  
☐ There are libraries and APIs available to access many of the popular databases from Python.  
☐ Python is a popular scripting language for connecting and accessing databases.

5. To query data from tables in database a connection to the database needs to be established. Which of the following is NOT required to establish a connection with a relational database from a Python notebook:

1 point

- ☐ An SQL or Database API  
☐ Username, Password, and Database name  
☒ Table and Column names

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