✓ **Congratulations! You passed!**

Grade received 100%   **To pass** 70% or higher

[Go to next item]

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1. Which API do you use to connect to a database from Python?   `1 / 1 point`

○ Watson API

○ Census API

● DB API such as ibm_db API

○ REST API

✓ **Correct**
Correct. A DB API such as ibm_db will enable you to connect to a database from Python to access and manipulate data.

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2. In the ibm_db API, what is the commit() method used for?   `1 / 1 point`

● The commit() method is used to commit any pending transaction to the database.

○ The commit() method is used to reverse any transactions that fail.

○ The commit() method is used to open a database for connection.

○ The commit() method is used to close a database connection.

✓ **Correct**
Correct. The commit() method is used to commit any pending transaction to the database.

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3. True or false: Resources used by the ibm_db API are released automatically when the program ends. There is no   `1 / 1 point`
need to specifically close the connection.

○ True

● False

✓ **Correct**
Feedback: Correct. It is important to use the close() method to close connections and avoid unused connections taking up resources.

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4. To create a table from Python, you would use...   `1 / 1 point`

● An ibm_db.exec_immediate function that includes connection information and a SQL statement to create the table.

○ An ibm_db.exec_immediate function that includes a SQL statement to create the table.

○ An ibm_db.exec_immediate function that includes connection information.

○ You cannot create a table from Python.

✓ **Correct**
Correct. To create a table from Python, use the ibm_db.exec_immediate function and include connection information as the first parameter and a SQL statement to create the table as the second parameter.

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5. Which of the following is a correct example of the connect function?   `1 / 1 point`

○ connect('database name', 'username', 'database type')

○ connect('username', 'password')

● connect('database name', 'username', 'password')

○ connect('database port', 'username', 'password')

✓ **Correct**
Correct. You must pass the database name, username, and password parameters to connect to the database.

✓ **Congratulations! You passed!**