

✔ Congratulations! You passed!

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

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

1 / 1 point

☒ DB API such as ibm_db API

☐ Census API

☐ REST API

☐ Watson 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.

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

1 / 1 point

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

☐ 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 reverse any transactions that fail.
- ☒ The commit() method is used to commit any pending transaction to the database.
- ☐ 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.

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

1 / 1 point

- ☒ False
- ☐ True



Correct

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

4. To create a table from Python, you would use...

1 / 1 point

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

- ☐ You cannot create a table from Python.
- ☒ 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 connection information.



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.

5. Which of the following is a correct example of the connect function?

1 / 1 point

- ☐ `connect('database port', 'username', 'password')`
- ☒ `connect('database name', 'username', 'password')`
- ☐ `connect('database name', 'username', 'database type')`
- ☐ `connect('username', 'password')`



Correct

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