* Overview of Python APIs for Database Programming
* Create table in Database using Python
* Insert single records using execute
* Insert many records using executemany
* Update existing data in the table
* Delete existing data from the table
* Drop or Truncate existing table
* Exercise and Solution

1. What is the use of a primary key in a database?

a. To uniquely identify each record in a table

b. To group records together in a table

c. To delete records from a table

d. To update records in a table

Answer: a

1. Which of the following is a Python API for database programming?

a. PyDatabase

b. PySQL

c. PyMySQL

d. PyPostgreSQL

Answer: c

1. Which of the following statements is used to create a table in a database using Python?

a. CREATE DATABASE

b. CREATE TABLE

c. INSERT INTO

d. SELECT FROM

Answer: b

1. How is a record inserted into a table using the execute() method in Python?

a. Using a tuple

b. Using a dictionary

c. Using a list

d. Using a set

Answer: a

1. Which method is used for inserting multiple records into a table using Python?

a. execute()

b. executemany()

c. fetchall()

d. commit()

Answer: b

1. How is data updated in a table using the execute() method in Python?

a. Using a SQL query

b. Using a tuple

c. Using a dictionary

d. Using a list

Answer: a

1. What is the purpose of the WHERE clause in a DELETE statement?

a. To specify which rows to delete

b. To specify the data to delete

c. To specify the table to delete from

d. None of the above

Answer: a

1. Which of the following is not a parameter of the execute() method in Python for dropping a table?

a. SQL command

b. Table name

c. None of the above

Answer: c

1. What is the WHERE clause used for in an UPDATE statement?

a. To specify which rows to update

b. To specify the data to update

c. To specify the table to update

d. None of the above

Answer: a

1. Which of the following statements is used to delete data from a table using Python?

a. DELETE FROM

b. UPDATE

c. INSERT INTO

d. CREATE TABLE

Answer: a