INSERT INTO Questions (Text, ProgrammingLanguageId) VALUES

('Which of the following is a correct way to declare a variable in Python?', 2),

('What is the output of the following code: print(2 \*\* 3)?', 2),

('Which of the following data types is immutable in Python?', 2),

('How do you create a function in Python?', 2),

('Which keyword is used to define a class in Python?', 2),

('What is the difference between a list and a tuple in Python?', 2),

('What will be the output of the following code: print("Hello"[1])?', 2),

('How do you import a module in Python?', 2),

('What is the purpose of the "self" parameter in Python methods?', 2),

('Which of the following is a mutable data type in Python?', 2),

('What is the output of the following code: print(len("Python"))?', 2),

('Which loop is commonly used to iterate over a list in Python?', 2),

('What is the default return value of a Python function that does not specify a return?', 2),

('How do you create a dictionary in Python?', 2),

('Which keyword is used to handle exceptions in Python?', 2),

('What is the purpose of the "global" keyword in Python?', 2),

('How do you concatenate two lists in Python?', 2),

('What is a lambda function in Python?', 2),

('What is the output of the following code: print(type([]))?', 2),

('How do you open a file for reading in Python?', 2);

**For adding answers**

-- Question 25: 'Which of the following is a correct way to declare a variable in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('a = 5', 1, 25),

('int a = 5', 0, 25),

('int a == 5', 0, 25),

('var a = 5', 0, 25);

-- Question 26: 'What is the output of the following code: print(2 \*\* 3)?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('8', 1, 26),

('6', 0, 26),

('9', 0, 26),

('5', 0, 26);

-- Question 27: 'Which of the following data types is immutable in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('Tuple', 1, 27),

('List', 0, 27),

('Dictionary', 0, 27),

('Set', 0, 27);

-- Question 28: 'How do you create a function in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('def my\_function():', 1, 28),

('function myFunction()', 0, 28),

('func my\_function()', 0, 28),

('my\_function func', 0, 28);

-- Question 29: 'Which keyword is used to define a class in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('class', 1, 29),

('def', 0, 29),

('function', 0, 29),

('method', 0, 29);

-- Question 30: 'What is the difference between a list and a tuple in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('Lists are mutable; tuples are immutable.', 1, 30),

('Lists are immutable; tuples are mutable.', 0, 30),

('Both lists and tuples are mutable.', 0, 30),

('Both lists and tuples are immutable.', 0, 30);

-- Question 31: 'What will be the output of the following code: print("Hello"[1])?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('e', 1, 31),

('H', 0, 31),

('l', 0, 31),

('o', 0, 31);

-- Question 32: 'How do you import a module in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('import module\_name', 1, 32),

('include module\_name', 0, 32),

('load module\_name', 0, 32),

('require module\_name', 0, 32);

-- Question 33: 'What is the purpose of the "self" parameter in Python methods?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('It refers to the instance calling the method.', 1, 33),

('It refers to a local variable in the method.', 0, 33),

('It refers to a global variable.', 0, 33),

('It refers to the class itself.', 0, 33);

-- Question 34: 'Which of the following is a mutable data type in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('List', 1, 34),

('Tuple', 0, 34),

('String', 0, 34),

('Integer', 0, 34);

-- Question 35: 'What is the output of the following code: print(len("Python"))?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('6', 1, 35),

('5', 0, 35),

('7', 0, 35),

('8', 0, 35);

-- Question 36: 'Which loop is commonly used to iterate over a list in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('for item in list', 1, 36),

('while item in list', 0, 36),

('do item in list', 0, 36),

('foreach item in list', 0, 36);

-- Question 37: 'What is the default return value of a Python function that does not specify a return?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('None', 1, 37),

('0', 0, 37),

('""', 0, 37),

('False', 0, 37);

-- Question 38: 'How do you create a dictionary in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('my\_dict = {"key": "value"}', 1, 38),

('my\_dict = (key: "value")', 0, 38),

('my\_dict = ["key": "value"]', 0, 38),

('my\_dict = {key = "value"}', 0, 38);

-- Question 39: 'Which keyword is used to handle exceptions in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('try', 1, 39),

('catch', 0, 39),

('throw', 0, 39),

('raise', 0, 39);

-- Question 40: 'What is the purpose of the "global" keyword in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('It allows modifying a global variable within a function.', 1, 40),

('It defines a new global variable.', 0, 40),

('It creates a local copy of a variable.', 0, 40),

('It deletes a global variable.', 0, 40);

-- Question 41: 'How do you concatenate two lists in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('list1 + list2', 1, 41),

('list1.concat(list2)', 0, 41),

('list1 & list2', 0, 41),

('concat(list1, list2)', 0, 41);

-- Question 42: 'What is a lambda function in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('An anonymous function defined with lambda keyword.', 1, 42),

('A function with no arguments.', 0, 42),

('A function that returns None.', 0, 42),

('A function defined in a class.', 0, 42);

-- Question 43: 'What is the output of the following code: print(type([]))?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('<class ''list''>', 1, 43),

('<type ''list''>', 0, 43),

('<class ''array''>', 0, 43),

('<type ''array''>', 0, 43);

-- Question 44: 'How do you open a file for reading in Python?'

INSERT INTO Options (Text, IsCorrect, QuestionId) VALUES

('open("file.txt", "r")', 1, 44),

('file.open("file.txt", "read")', 0, 44),

('file = open("file.txt", "w")', 0, 44),

('open\_file("file.txt")', 0, 44);