Homework Assignment: Match the Python Definitions

Match each of the following Python definitions with the correct term from the list below:

Terms:
1. Python
2. Interpreter
3. Syntax
4. Variable
5. Data Types
6. String
7. Integer
8. Float
9. Boolean
10. Assignment Operator (=)
11. Conditional Statements
12. Loop
13. List
14. Tuple
15. Function
16. Module
17. Library
18. Exception Handling

Definitions:
A. A high-level, interpreted programming language known for its simplicity and readability.

B. A named storage location that can hold data.

C. A mechanism for handling errors and exceptions in Python programs.

D. A control structure that allows you to repeat a block of code multiple times.

E. A collection of ordered elements enclosed in square brackets ([ ]).

F. A number with a decimal point or in exponential form (e.g., 3.14).

G. A sequence of characters enclosed in single (' ') or double (" ") quotes.

H. The rules and structure that define the Python language.

I. A binary value, either True or False, used for logical decisions and comparisons.

J. A reusable block of code that performs a specific task.

K. A file containing Python code, which can be imported to access functions and variables.

L. The assignment operator used to assign a value to a variable.

M. A whole number, either positive or negative, without a decimal point.

N. A collection of modules and functions that provide additional functionality.

O. Conditional statements, such as `if`, `elif`, and `else`, used to make decisions in Python programs.

P. Similar to a list but enclosed in parentheses ( ); immutable.

Q. A mechanism for executing Python code line by line.

R. Data types that define the kind of data a variable can hold.

Instructions: Write the corresponding term (e.g., "A") next to each definition. Make sure to match all definitions with the correct terms.