Python

Introduction to Python (ch1)

1.What was Python named after?

A type of snake

A famous programming pioneer

A British comedy show (c)

A famous scientist

2.What is the significance of libraries like Pandas, TensorFlow, and Scikit-learn in Python?

They are used for creating video games.

They are used for web development.

They are used for data analysis and machine learning. (c)

They are used for scientific computing.

3.How is Python described in the introduction?

A bridge connecting thought to action (c)

A highly complex programming language

A language that prioritizes brevity over readability

A language with limited capabilities

4.Which of the following is NOT an advantage of Python?

Readability

Versatility

Speed (c)

Community support

5.Who implemented Python in December 1989?

Bill Gates

Linus Torvalds

Guido van Rossum (c)

Tim Berners-Lee

Syntax and Variables (ch2)

1.In Python, which data type is used to store a sequence of characters?

Integer

Float

String (c)

Boolean

2.What does the `len()` function in Python do?

Converts a string to lowercase

Returns the length of a list or string(c)

Converts a number to a string

Rounds a floating-point number

3.Which operator is used to check if two values are equal in Python?

=

== (c)

!=

<>

4.In Python, which of the following is a valid way to comment multiple lines of code?

/\* This is a comment \*/

// This is a comment //

''' This is a comment ''' (c)

# This is a comment

5.What is the output of the following code? x = 5 y = 2 result = x // y print(result)

2.5

2 (c)

2.0

2.25