Multiple-choice questions:

1. What is a variable in programming?

A) A type of programming language

B) A container that stores data

C) A function that executes code

D) A method for debugging

2. Which of the following is NOT a type of variable mentioned in the document?

A) Int

B) Boolean

C) Array

D) String

3. What is the purpose of variables in programming?

A) To store static data

B) To handle input, output, and data manipulation

C) To create user interfaces

D) To compile code

4. Which variable type is used for true/false values?

A) Int

B) Boolean

C) Float

D) Character

5. What is an example of using a variable in a program?

A) Creating a loop

B) Defining a function

C) Using 'Your name is ' + name

D) Declaring a constant

Open-ended questions:

1. What is a variable in programming and why is it essential?

2. List and describe the different types of variables.

3. Explain the importance of variables in programming.

4. Provide an example of how variables can be used in programming.