

# 1 Lecture - CS101

## Important Mcqs

**Which of the following is NOT a programming language?**

- A. Java
- B. Python
- C. C++
- D. Microsoft Excel

**Answer: D. Microsoft Excel**

**Which of the following is an example of an algorithm?**

- A. Playing a video game
- B. Checking your email
- C. Making a sandwich
- D. Sorting a list of numbers in ascending order

Answer: D. Sorting a list of numbers in ascending order

**What is a variable in programming?**

- A. A keyword used to define a function
- B. A value used to perform a calculation
- C. A named location in memory used to store data
- D. A programming language used to write code

Answer: C. A named location in memory used to store data

**Which of the following is NOT a basic data type in programming?**

- A. Integer
- B. Float

C. Boolean

D. Text

Answer: D. Text

**What is the purpose of a loop in programming?**

A. To execute a set of instructions only once

B. To repeat a set of instructions multiple times

C. To perform a calculation

D. To store data

Answer: B. To repeat a set of instructions multiple times

**Which of the following is a data structure used to store a collection of elements in a specific order?**

A. Array

B. Queue

C. Stack

D. Binary Tree

Answer: A. Array

**What is the difference between a compiler and an interpreter?**

A. A compiler translates code into machine language, while an interpreter executes code directly.

B. An interpreter translates code into machine language, while a compiler executes code directly.

C. A compiler and an interpreter are the same thing.

D. A compiler translates code into high-level language, while an interpreter translates it into machine language.

Answer: A. A compiler translates code into machine language, while an interpreter executes code directly.

**What is the purpose of a function in programming?**

A. To repeat a set of instructions multiple times

B. To store data

C. To perform a calculation

D. To encapsulate a set of instructions for reuse

Answer: D. To encapsulate a set of instructions for reuse

**What is a conditional statement in programming?**

A. A statement that performs a calculation

B. A statement that causes a program to stop executing

C. A loop that repeats a set of instructions while a condition is true

D. A statement that executes code based on a specific condition

Answer: D. A statement that executes code based on a specific condition

**What is an algorithm?**

A. A set of instructions for solving a problem

B. A programming language

C. A function used to perform calculations

D. A data structure used to store data

Answer: A. A set of instructions for solving a problem