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

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

language.

- 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