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Assignment:

1. What Is a Compiler

A. Compiler is a special program that translates a programming language's source code into machine code.

2. What are the function of a compiler

A. Compilers convert source code written in languages such as java, C#, or swift. They're commonly used to generate machine code.

3. Name 2 Compiler you know

A. GCC, Decompiler

4. What is an Interpreter

A. Interpreter is a program that executes a program code line by line.

5. What is the difference between a Compiler and interpreter

A. Compiler converts whole code into machine code then it can be executed but interpreter executes the program code line by line.

C,C++,Java programming languages use compilers while Javascript uses Interpreter.

6. Convert the following to Binary

a. 1024 - 10000000000

b. 2156 - 1000000000000

c. 3 - 11

d. 999 - 1111100111

7. Convert to Decimal

a. 10101010 - 170

b. 000101 - 5

c. 100010 - 34