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1. Define following terms as used in c programming

1. Compiler.

Program that converts instructions to machine language to be understood by the computer

2. Source code

Human readable instructions written by programmer in programming language

3. Object code

Output produced when Source code in compiled with a c complier

4. Linkus

Preprocessor with link compiler to standard library function

2. Using an example I.e a program to add two numbers, explain the compilation process of a c program

Start

Declare variables num1, num2, and rest

3. Explain difference between compiler and interpreter

1. A compiler converts entire program all at once into machine language while interpreter converts one statement at a time

2. A compiler converts to machine language before program runs while interpreter converts as the code runs

3. A compiler is faster in execution while an interpreter is slower

4. In compiler detects errors at compile time while interpreter detects and reports during runtime

5. A compiler stores machine language on the disk while interpreter does not save machine language

6. A compiler generates intermediate machine codes while interpreter does not

4. List all main categories of operators available in c programming.

Increment and decrement operators

Bitwise operators

Assignment operators

Logical operators

Relation operators

Special operators

Conditional operators

Arithmetic operators