

ASSESSMENT-2

1.what are Translators in programming languages?

A translator is a program that converts source code into machine code. Generally, there are three types of translator: compilers. interpreters. assemblers.

2.what is Assembler, and Compiler, Interpreter?

Assembler: An assembler is a program that takes basic computer instructions and converts them into a pattern of bits that the computer's processor can use to perform its basic operations. Some people call these instructions assembler language and others use the term assembly language.

Compiler: A compiler is a special program that translates a programming language's source code into machine code, bytecode or another programming language.

Interpreter: In computer science, an interpreter is a computer program that directly executes instructions written in a programming or scripting language, without requiring them previously to have been compiled into a machine language program.

3.what are IDE's?

An integrated development environment (IDE) is a software application that helps programmers develop software code efficiently. It increases developer productivity by combining capabilities such as software editing, building, testing, and packaging in an easy-to-use application. Just as writers use text editors and accountants use spreadsheets, software developers use IDEs to make their job easier.

4.Examples for IDE's or Compilers for C programming?

IDE's and Compiler

- Visual studio code (VS code)
- Eclipse, Intel C++ compiler, GCC.

