RESEARCH WORK -2

1. What are Translators in Programming languages?

In programming languages, a translator refers to a tool that converts source code written in one programming language into an equivalent representation in another programming language.

2. What is Assembler, Compiler and Interpreter?

Assembler: An assembler is a type of translator used in programming languages to convert low-level assembly language code into machine code.

Compiler: A compiler is a software tool that translates source code written in a high-level programming language into a lower-level language, typically machine code

Interpreter: An interpreter is a software program that directly executes source code written in a high-level programming language, an interpreter reads and executes the source code line by line.

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. Key components typically found in IDEs include: Code Editor, Complier, Debugger, GUI Designer.

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

IDE's

- Visual studio Code(VS Code)
- Jupyter Notebook
- Atom
- Xcode
- Eclipse
- Sublime Text

Compliers

- GCC
- Microsoft Visual C++ Complier
- Clang
- TurboC++
- Rust Complier
- Intel C++ Complier