**EMBEDDED SYSYEM AND INTERNET OF THINGS**

RESEARCH WORK-2

1. What are Translators in Programming languages?

A programming language translator is the piece of software that translate a computer program written in some specific programming language into another programming language.

We use programming language translators every day! Compilers, interpreters, and assemblers are the most famous forms of programming language translators.

1. What is Assembler, Compiler and Interpreter?

A compiler is a software that converts programs written in a high-level language into machine language. An interpreter is a software that translates a high-level language program into machine language while an assembler is a software that converts programs written in assembly language into machine language.

1. What are IDE’s?

An integrated development environment (IDE) is software for building applications that combines common developer tools into a single graphical user interface (GUI). An IDE typically consists of:

* Source code editor: A text editor that can assist in writing software code with features such as syntax highlighting with visual cues, providing language specific auto-completion, and checking for bugs as code is being written.
* Local build automation: Utilities that automate simple, repeatable tasks as part of creating a local build of the software for use by the developer, like compiling computer source code into binary code, packaging binary code, and running automated tests.
* Debugger: A program for testing other programs that can graphically display the location of a bug in the original code.

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

Different Types of IDE

Eclipse: Supports C, C++, Perl, Python, Ruby, PHP, Java

NetBeans: Supports Java, PHP, JavaScript, C, C++, Python, Ruby

Komodo IDE: Supports Perl, PHP, Python, Tcl, JavaScript, Ruby

Aptana: Supports HTML, JavaScript, CSS, AJAX and others through plugins.