Intro to ide

24 August 2020   10:53 AM

Installation of IDE's

- Eclipse or Net Beans
- visualstudio.net
- Web application using LAMP (Linux, Apache, My SQL, PHP)
- Python Applications

Assessment using Github

- Create an organization and class room
  example:
    org name: GITAM_CSE
    class room name: IDE_B4
- Create Assignment for each week/application

IDE
- Text editors
- Debugger
- Compiler
- Code compiler
- Programing language support
- Plusgins and integration

Example of iDE:
C/c+:- dev c++,code blocks
Java:- eclipse
.net:- visula syudio
Python:- spyder,pycharm

Differences between:

> **Console based applications**
>
> **Client server programming applications**
>
> **Web based applications**
>
> **Enterprise applications**

Console Based Applications:

A console Application is primarily designed for the following reasons

> To provide a simple user interface for applications requiring little or no user interaction, such as samples for learning C# language features and command-line utility programs.
>
> Automated testing, which can reduce automation implementation resources

Examples: Alpine (an e-mail client), cmus , Irssi (an IRC client), Lynx (a **web** browser).

Client server programming applications

A client/server application is a piece of software that runs on a client computer and makes requests to a remote server. Many such applications are written in high-level visual programming languages where UI, forms, and most business logic reside in the client application. Often such applications are database applications that make database queries to a remote central database server (this can, however, get much more complicated than that and involve other communication methods)

Examples: Online Banking

Web based applications

A web application is an application software that runs on a web server. unlike computer-based software programs that are stored locally on the Operating System of the device.

-Web applications include online forms, shopping carts, word processors. spreadsheets. video and photo editing, file conversion, file scanning, and email programs such as Gmail, Yahoo and AOL Popular applications include Google Apps and Microsoft 365.

Examples:

Gmail, instagram and facebook

Enterprise applications

An **enterprise application** (EA) is a large software system platform designed to operate in a corporate environment such as **business** or government

Examples:

 Billing systems, customer relationship management systems and supplier relationship management systems