Server Side Lasguages.

these larguages are commonly used to create useb pages. They enable execution of some or all programming statements that allow applications to process information

code is executed by web servers and is stored in files called applications. web servers one responsible for assigning execute permissions to the applications

In some situations HTML and KHTML pages contain code.

Server side programming lenguages support the installation and achievation of an interpreter on the web server.

The interpreter is used to execute the code.

Server side scripts are used for browser delection, database connectivity and cookie creation.

In add thou those scripts can be used for logon scripts, hit corntors, file oploads and downloads.

Common server side languages cree

PHP, PERL, ASP, C, C++, C# and Jawa

PHP

This is a server side language used to create dynamic web pages.

Although PHP is embedded in HTML pages, St is executed on a web server.

An example of PHP &CGI application code is displayed on screen

the code used to display the message itello world, in XHTML creates a report that identifies the browser used to access the web page.

for can place the PHP Script in the CGI bin directory of a web server

When the PHP CGI explication is executed,
the PHP server side code detects and
reports the user agent used for
accessing it. This information can then
be used to customize a user's
experience, based on the browser
being used.

* GERT

PERL 18 a cross-platform language used for web server processes. Using PERL, you can write ouslamized CGI and Sys, mgant programs.

* The first line in the PERL program code begins with a #! character cased the Shebang

* 1. /usr/bin/ Perl

this is used to specify the location of the Peril interpreter. If the stebang line is not created proposely, problems occor with the PERI SCRIPTS

* ASP

ASP is a server side scripbing language that has largely been replaced by evet.
ASP applications can be created using VBScript, An alternative to ASP & PHP.

* C

C is a compiled language used for the development of standalone applications

C is known as a procedured language, because it uses subprograms to accomplish tasks in an application.

Depending on the language used, subprograms stored with in an application are called by various terms.

In C subprograms are called functions.

* Standard libraries used by Care designed for the purpose of reducing cooling time. Those libraries eliminate the tedious took of writing out hundreds of lines of code cach time an application is created. Ches many library files that are standardized and easily accessible. The library std.o.h is the standard input output library, and it is used to enter information unto applications

& C++ is an object orientated language, borred on C However it is non procedural in nature. C++ uses objects that can be manipulated within the program to coreate powerful and efficient code

You need to compile all C++ programs on specific computer types, such as iBm compatible Computees that run houndows. when a C++ program is compiled to a specific Computer type, you read to use an enulator torson the program on other computer types Some common object orientated larguages terms used by C++, C# and UB are

- · object
- · abstraction
- · polymorphism
- o mhoritan ce

O & Object This is a distinct part of anapplication. It has specific states and behaviours that can be customized to perform specific tasks. An object is also called an instance because it can be duplicated and then manipulated in a program.

A cubstraction

This concept is what distinguishes an object from all other instances of an object

This is a group of objects that have similar characteristics

this is the ability of an object to respond according to its place in an application.

this is the mechanism by which a class can showe its characteristics with another class.

Characteristics that can be inherited include state, structure or behaviour of an object.

- Java is an object orientated compiled language that runs on the OSs that have a Java interpreter installed.

 Using Java, you can create poweful applications. Instead of compiling Java applications to specific systems, you con compile it to a specific Java interpreter
- I Java is a programming language used to create towa server pages, application program interfaces CAPIS) and Java servetets.

 JSP is a technology based on Java Commands embedded into XHTML and HTML code a Java servetet is a program that is stored and executed from a remote server

Ciw Foundation T2 (VI) * when using Java Servets, you need to compile the Servets and place it on a server that can manage it.

Apache Toncat is the most popular web server that supports JSP and servets. Before compiling a Java application, the text fill containing the Java codo has the java extension.

After the Compilation, It has the jar' extension. extension * C* is a powerful and compiled object-orientated programming language. It is also called visual C* of CX has att elbutes that enable easier application and interface development for the windows OS * Seeves Side Includes (SSIS) are special Command cooles within XHTML or HTML pages that instruct the web server to perform an action. SSI instructions are written in SGML SSI is an effective alternature to CGI because its instructions do not use Languages such as Java See pt, 18 or

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A SSI instructions are used to dynamically add content to a web page before it is downloaded to a user.

Using SSI is a convenient way to store the nesults of a dahahase query in a Single peage

You can also use SSI to spacify the last Modifiet - ion time of the displayed cocomon.

CIW Foundations T2(VII * SSI can be used to unsert a footer at the bottom of all peages.
The factor can include text, such as the corrent date or a customized message.
Also, you can use SSI to add the current date as a timestamp to a page A Before processing SSI instructions for individual users requests, the web server that supports SSI first roads each HTML peige for SSI directives.
The file name extensions for XHTML or tetral ples that use SSI instructions are "Shtml or "shtml" the SSI frahre may be disabled in some servers. To enable SSI in an apache server, you must edit the httpd. conf This file contains on instructions needed for the server to process SSI instructions contained in Hetmi pages.
To enable SSI in MS-113, you need to select the features in GUI * At times, a web server may have SSI capelbulity, but may not be able to detect the standard "shtml" or "shtml Extensions. In such a situation, you need to locate the supported 3SI extension type Alternaturely, you can define a Multipopose Internet Mala Extension (MIME) for the Supported SSI Extension types for the

web server