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What is language?

Language is medium through which we can intract with human or machine .by knowing languahe like hindi,English,telugu,tamil we can with human.

But suppose if we want to intract with computer we can’t talk to computer in either English,hindi etc langaue because computer don’t understand.computer only understand 0,1(binary language).

But again human cannot give instructions to computer in 0,1 that’s why high level language comes into picture

Like c,c++,c#,java,python

In HLL human generally code in English followed by set of rules defined by underlying programming which internally converted in computer understandable form by there compiler,and interpreter.

What is Program why we are writing a program

A program is the set of insruction to perform a particular operation

Suppose if want to calculate gross income for a factory which generally written in a piece of paper

If human is going to do it there could be chance of human error like miscalculation but same thing if we code there is no chance of error and always the output will be exact and it will be very quick manpower resource is required is very less.so if we automate the process of calculating gross income for a factory we are getting lot of advantages.

What is Java why we are using it.

Java is a high level programming language using which we can develope standalone and distributed and web based application easily.

Java has provided API/Liabrary for building end to end application.

Generally in a application 3-layer used to be there

Presentation layer,Business layer/service laye or DB layer.

PL—JSP

BL—Servlet

DL-JDBC

Java language is developed by James gosling and it was first released is 1995.

What is Platform Independent mean?and how java is Platform Independent.

Suppose I have written a program in a MAC OS Machine and I compiled it run it on that machine.if same program I can run in either Window,Linux,UNIX,Ubuntu or any OS machine then this scenario is called as platform independent.

Suppose if I written a program in C language and compiled and run it on windowa machine again same program I if I want to run on MAC Machine it wont run there.because C program compiled to underlying OS or C program is OS dependent.

But suppose if I written a program in java and compiled it on window machine I can run it on any OS system(Like mac,Ubuntu).

Because when we are compiling a java program it wont compiled to underlying OS or It wont talk with underlying OS when we are running it at that time JVM is talking to underlying OS to run that program.SO Because Java has provided us JVM because of that Java is Platform Independent.

And because of this only java is portable across the OS

What is keyword

Keyword is a word having special meaning reserved by programming language.

Eg:if,else,while

What is datatype:

Int,char,float

DataType is to declare a variable for a specific type of value.

Int a=10;

Variable:

Variable is used to store a value of specific type:

--------------End-------------