Dt : 12/7/2023

faq:

define High Level Languages?

*   =>The language programs which are constructed from User understandable*

formats are known as High Level Languages

Ex:

C,C++,Java

faq:

define Low Level Languages?

*   =>The language programs which are constructed from machine understandable*

formats are known as Low Level Languages.

Ex:

Machine Languages

faq:

define translators?

*   =>Translators are the converters which convert High Level Language formats*

into Low Level Language formats and Low Level Language formats into High

Level Language formats.

*   =>These translators are categorized into two types:*

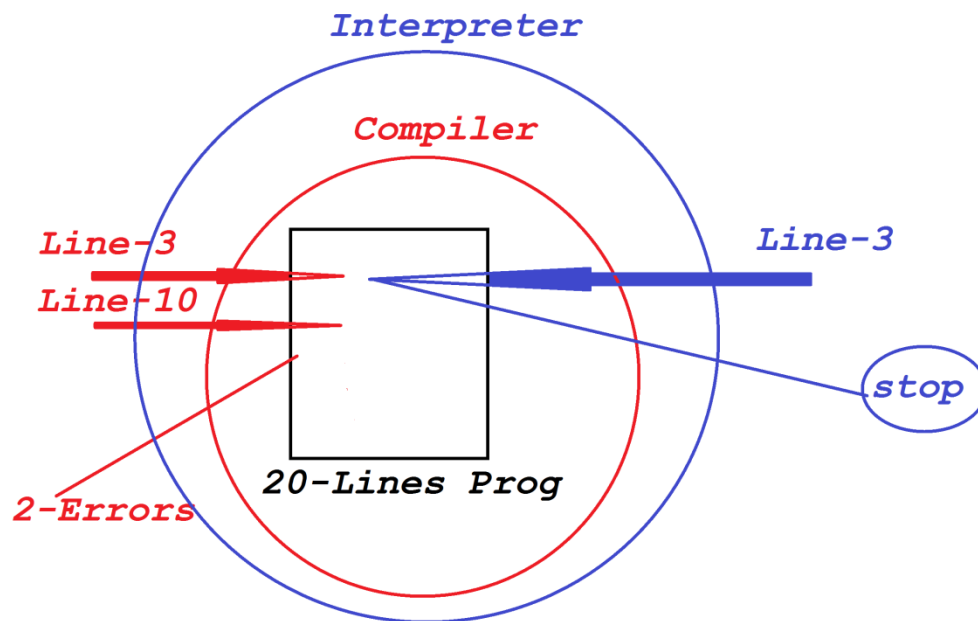(i)Compilers   - will translate the total program at-a-time

(ii)Interpreters - will translate the program line-by-line

Note:

 =>C,C++ and Java languages will use compiler in compilation process.

 =>C and C++ will use Compiler in execution process,but Java will use

  both "Interpreter and Compiler" in execution process.

Diagram:

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*imp

History of Java:

=>Author of Java : James Gosling

=>Joined Sun Micro Systems in 1991 as Code Writer(Programmer)

=>WORA - Write Once and Run Anywhere

=>Green Talk Language - saved the programs with (.gt) as an extention

   Test.gt

=>OAK languages

=>"SILK" , "DNA",...

=>Java Language

=>1995 - First Version into Market

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Java Versions:

1995 - Java Alpha

1996 - JDK 1.0

1997 - JDK 1.1

1998 - JDK 1.2

2000 - JDK 1.3

2002 - JDK 1.4

2004 - Java5(Tiger Java)

2006 - Java6

2011 - Java7

2014 - Java8

2017 - Java9

2018 - Java10,Java11

2019 - Java12,Java13

2020 - Java14,Java15

2021 - Java16,Java17

2022 - Java18,Java19

2023 - Java20,Java21(Sept)

 =>The folowing are LTS(Long Term Support) Products:

   =>Java8

   =>Java11

   =>Java17

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