

Dt : 10/8/2022

faq:

wt is the diff b/w

(i)Language

(ii)Technology

(iii)Framework

(i)Language:

=>Language will provide Components(Alphabets),Concepts and features used in constructing applications.

Ex:

CoreJava

(ii)Technology:

=>The process of converting knowledge into realtime world application development is known as Technology.

Ex:

AdvJava

(iii)Framework:

=>The Structure which is ready constructed and available for application development is known as Framework.

Ex:

Spring

WebServices

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***imp**

define Program?(Syllabus)

=>Program is a 'Set-of-Instructions'.

define programming?

**=>The process used to construct programs is known as
Programming.**

SDLC(Software Development Life Cycle)

=>The following are the stages of SDLC:

Stage-1 : Analysis

Stage-2 : Design

Stage-3 : Coding/Construction

Stage-4 : Testing

Stage-5 : Deployment

Note:

**=>The process of converting 'Analysis and Design' into CodeForm
is known as Programming.**

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Note:

**=>After writing the program,save the program with Language
extention.**

Ex:

Test.c

Test.cpp

Test.java

=>After Saving the program the program will have the following

two stages:

1.Compilation process

2.Execution process

1.Compilation process:

=>The process of checking the program constructed according to the rules of language or not,is known as Compilation process.

=>After Compilation process is successfull,

=>c and c++ languages generate Objective Code

=>Java language generate ByteCode

2.Execution process:

=>The process of running the compiled code and checking the required output is generated or not,is known as Execution process.

=>In c and c++ languages the Objective Code is converted into executable code and generate result.

=>In JavaLang the ByteCode is executed on JVM(Java Virtual Machine) and generate result.

Diagram:

