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# Java Course.

C, C++,  
Cobol, Python

Most  
Structured  
Language

Language

Technology (JVM)

1991

OAK

1995 (Java)

1998

SUN Microsystem

C, C++ → Java

C++ ← 2000

Java 8, 17  
↑      ↑  
Learn    Install

1995      2014  
↓      ↓  
1 → 8

2 years or more

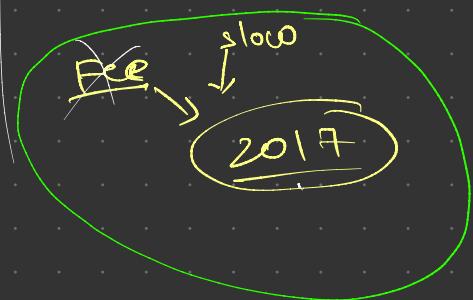
2018      2022  
9 → 17

6 months release

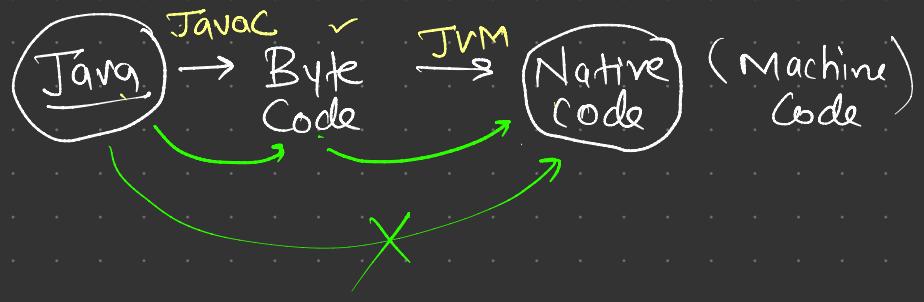
Mar - Sep  
2022      2022  
⑧      ⑨

Feature

LTS  
8, 11, 17 →



2021 → Free

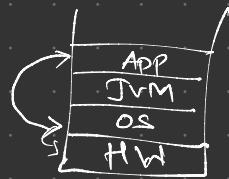
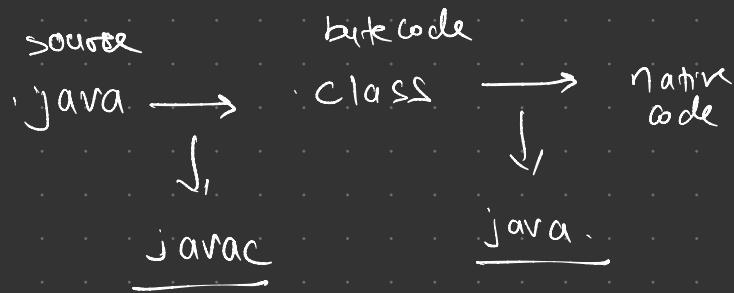
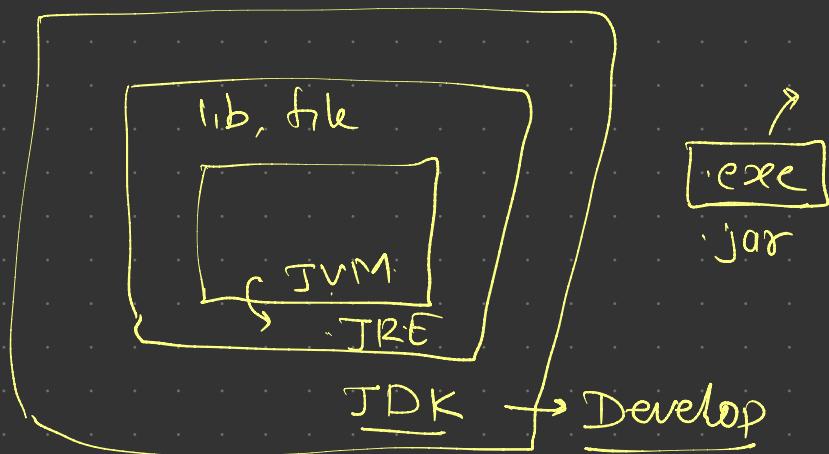


JavaC → JDK → 17, 8

JVM ✓

JRE ✓

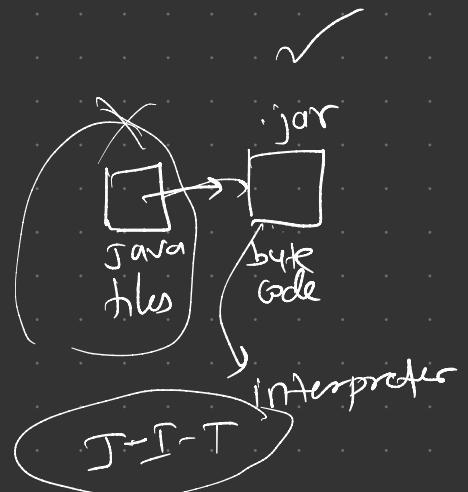
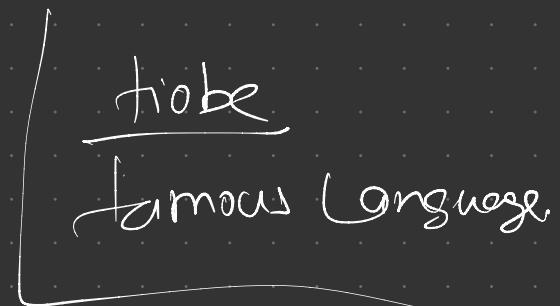
Backward compatible

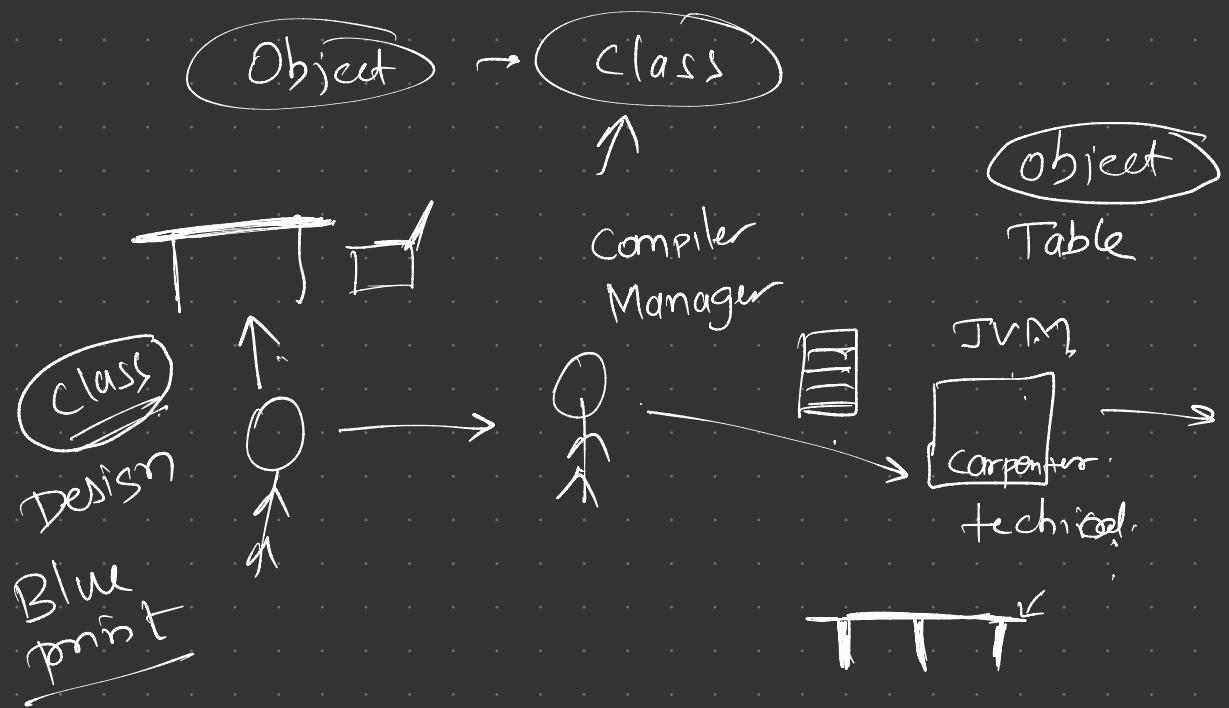


- 1. feature of Java. →
- ✗ 2. Main method →
- ✗ 3. S.O.P →
- ✓ 4. Class and Object
- 5. Statically & dynamic types
- 6. variables and data type
- 7. Naming convention.

## Feature of Java.

- 1. Simple.
- 2. OOP
- 3. Portable ( .jar )
- 4. Platform independent
- 5. Secured.
- 6. Robust
- 7. Performance.
- 8. Threads
- 9. Community





Object → Know → Property → variable  
Object → do → Action → methods

Class → Object (instance)  
once → Object (instance)

Object → instance  
Class → Design

class <name>  
{  
  variables  
  methods  
}

class Navin  
{  
  **Object**  
  dance();  
}



class 1

class 2

class Month  
{  
  **dance();**  
}  
class

## Naming Convention

variable → a, b, abc, age, salary → Noun.  
 class → Alien, Book, Product → Noun  
 method → assign, print, check → Verbs

methods {  
 get age  
 set age  
 calc salary }

my\_age → Snake Casing

GetAge() → Pascal

Alien

variable → alien →

Instance, Class → Capital  
 variable, method, → small

calcMySalary

~~~~~

getage();  
getAge(); → Camel Casing rule

methods → assignTheProductToThePerson()

Class → JavaAvengers

Operators.

++ , --

conditional

- if - else
- switch
- ternary

loops

- while
- do

Turing  
complete Language.

✓ 1. Imitation Game

✓ 2. Silicon Valley

3. Mr. Robot

4. Snowden

5. Steve Jobs

