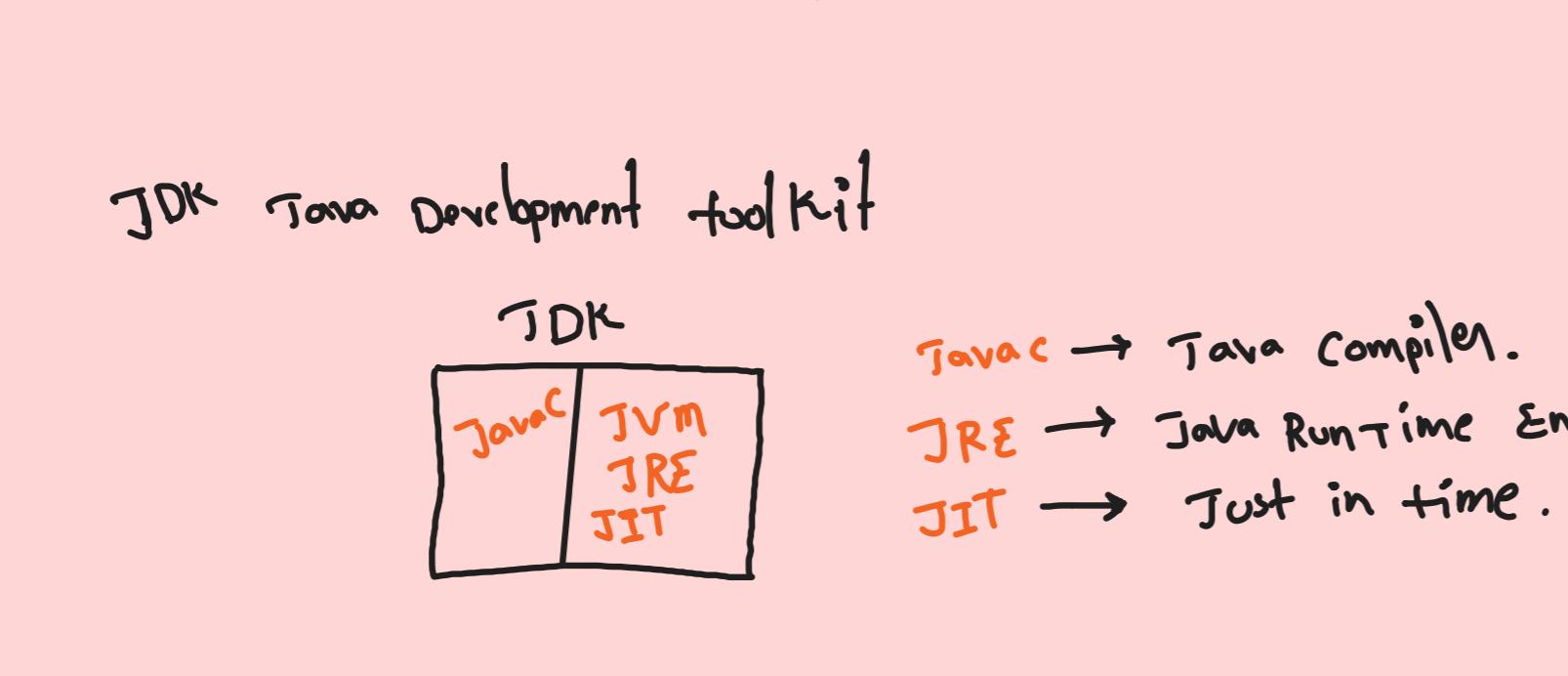
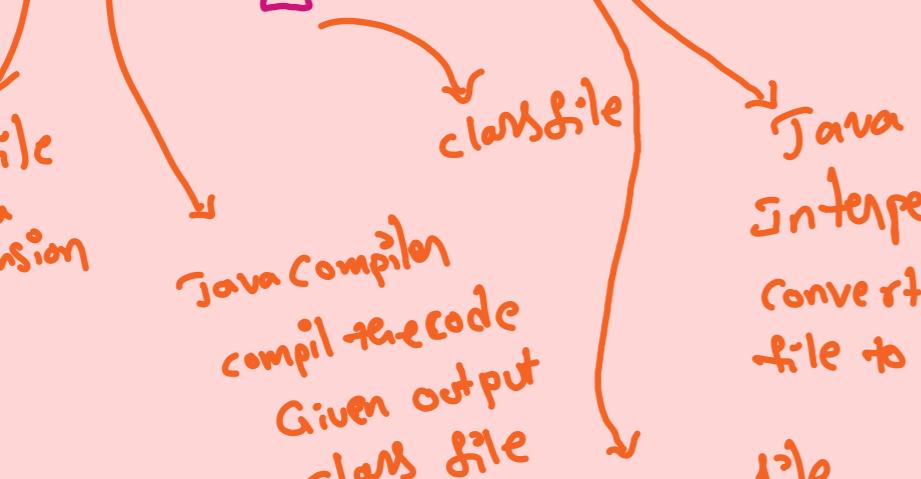


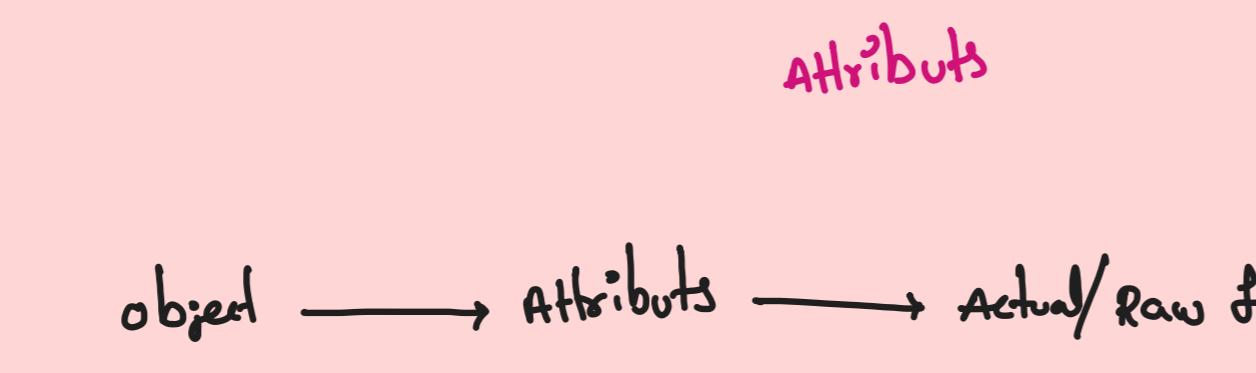
Intro Java:-
the set of instructions written using the programming lang
such as, C, C++, Java, python etc.

 → the number of instructions is called program
→ the set programs put together form an application 

Java is platform independent:-



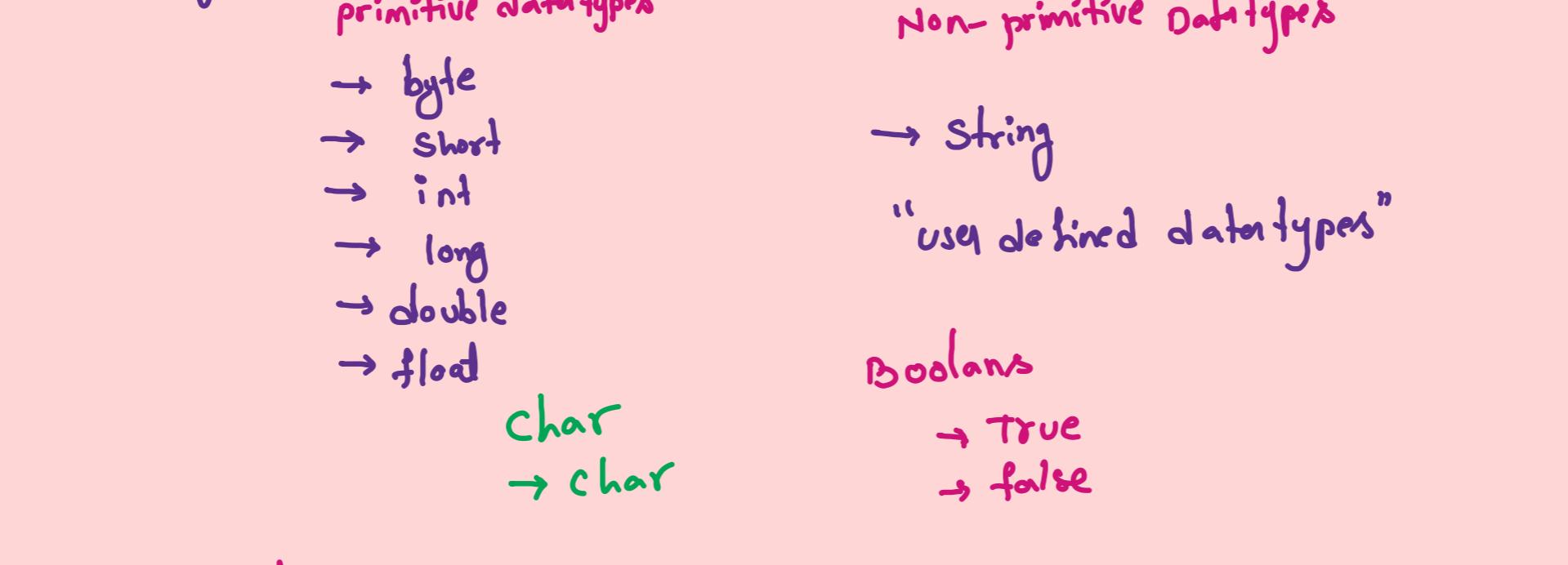
JDK Java Development Toolkit



Tokens:-
Keywords → predefined keywords (all Java key words)

Identifiers → user defined keywords → not allow predefined keywords
Literals → actual facts & Raw facts → not allow special char (; ; \$)
Separators → ; : , { } [] () → underscore and dollar allow.
→ Doesn't start with number.

S3 → Keywords



object → Attributes → Actual/Raw facts,

Data types



Data types

primitive datatypes Non-primitive datatypes

→ byte → String
→ short "user defined datatypes"
→ int → Boolean
→ long → TRUE
→ double → FALSE
→ float

char

→ char

Booleans

→ TRUE

→ FALSE

Separators:

: → Separator
; → End of the block
() → method
{ } → Block
[] → Array

variable declaration:-

Data type Identifier = Actual/Raw fact ;
int age = 24;
int sisterage = 21;
int agediff = age - sisterage → math operation

int age = 20;

Data-type assigned from Left to Right

int age → variable declaration

age = 20 → variable initialization, value assigned from Right to Left

int age

age = 20

Datatypes → memory

Number type byte → 1 byte

short → 2 bytes

int → 4 bytes

long → 8 bytes

float → 4 bytes

double → 8 bytes

single char

char → 2 bytes

boolean → 1 bit

one binary unit bit

Non primitive

String → Not defined

object type

Types of variable's:

→ Based on datatype
→ Based on scope/visibility

Datatype

→ primitive variable

→ non-primitive variable

Scope

→ Local variable

→ Global variable

Class level variables

is called Global variables

int i = 50;
String s = "yogi";
method level
inside block or method
contain primitive or non-primitive
variables is called Local
variables.

Scanne scanner = new Scanner(System.in);
int age = scanner.nextInt();

In Java we are using Scanner class object to take input

so: Scanne scanner = new Scanne(System.in);
int age = scanner.nextInt();