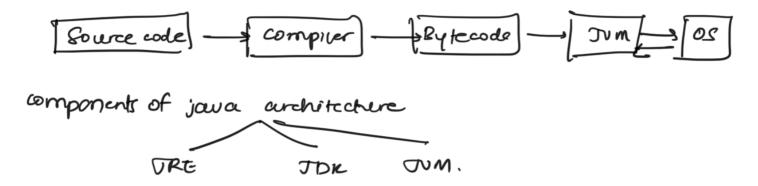
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Java Architecture



JVM-Tava Virtual Machine

- -Java apps- write once run anywhere
- This is because of JVM
- It provides an environment for executing java programs.
- -interprets byte code into machine woll which is executed in the machine in which jara program ners.

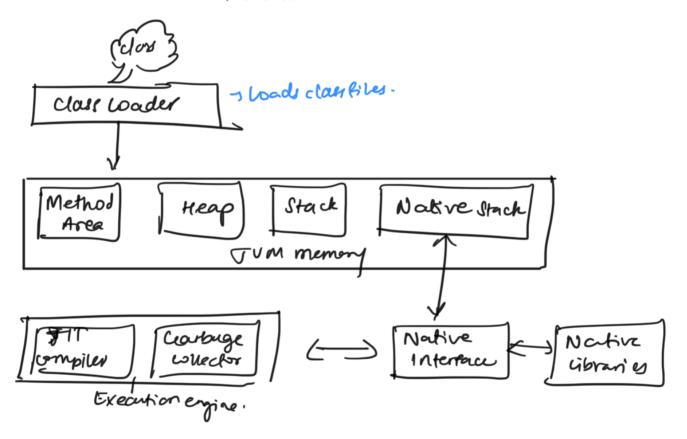
function -

Load the code

verify code

Execute code

Provide runtime environment



method area - class data is stored:
-static variables. Static blocks, static methods,
Instance methods

Heap -s created when IVM Starts up
-may of J in Fize
- contain objects.

Stack - Crected for single execution thread.
- store cocal var, results, deta for our 2 refun of attreed.

Nativestack - subsumes all notive memode cosed in your app.

40 -s remove unwarted obj from heap.

1) Mark 25 sweep.

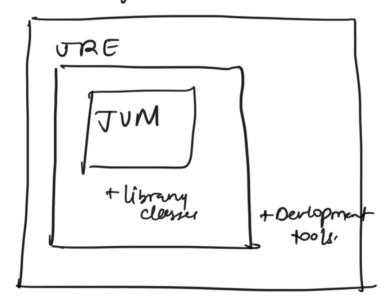
## JIT - compile bytesde into machine code at runtime

TRE - Java Runtime Environment

- -builds a runtime env in which java programs can be executed.
- takes java code, ombine with needed libraries and starts TVM to execute it.
- -contain libraries à softwares néeded by your java programs to
- -It is a park of JDK. but can be downloaded reparately.

## TOK

Tis a SDE und to develop java approand applets.
-contains TRE, development took, interpreter/bader, compiler, archiver, javadoc.etc



TDK = TRE+ dev tods

TRE = TVM+ library classes -