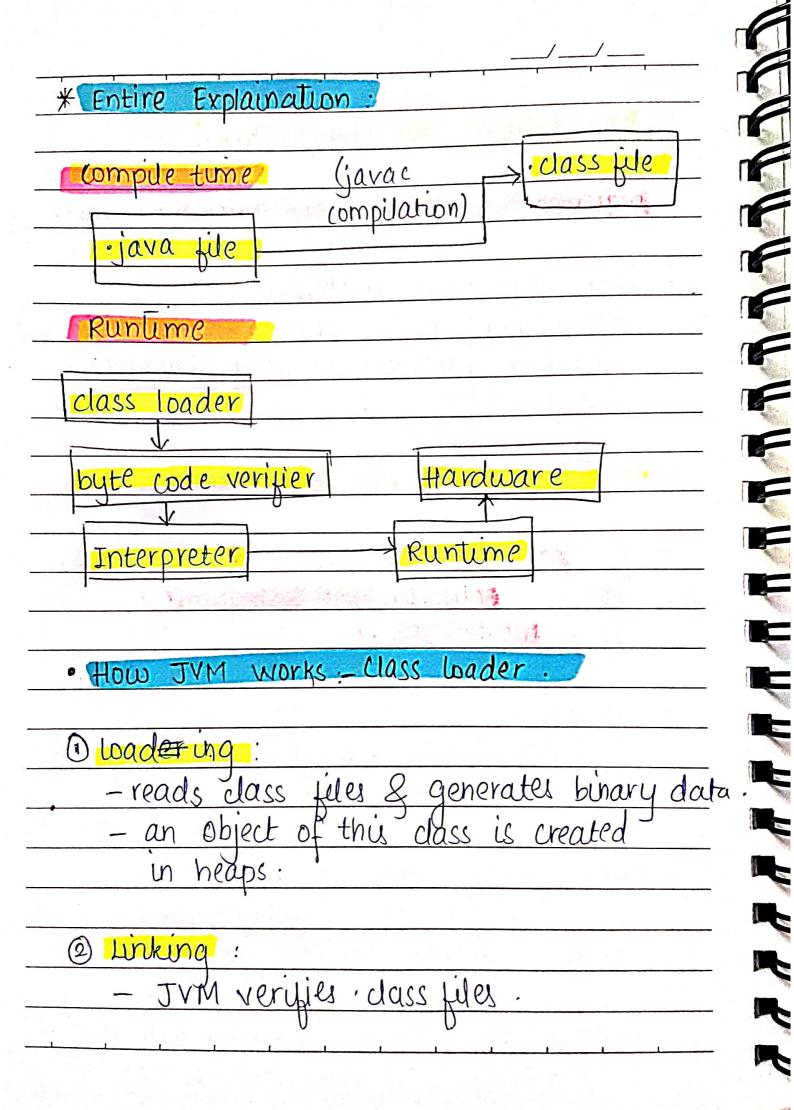
· Byte code is some intermediate language
of Java.
· In c++, byte code conversion part is
skipped and human readable code is
directly converted to machine code.
* About Platform Independence:
code
1) Byte round run on all os.
@ Need to convert source code to machine
code so computer can understand that.
3 compiler helps by turning into executable code
@ Executable file (i.e. exe file) is a set of
instruction for computer which depends
on architecture of computer indirectly
platform dependent. But in Java because
of byte code, it becomes platform
independant.
6 JVM (Java Nirtual Machine) converts
byte vode to machine vode.
@ Javer -> Platform - Independent.
⑤ Javer → Platform - Independent. JVM → Platform - Dependant
(because of OS).

* Arch	ritectur	re of Java:
	4.4.1	man and the second of the seco
J!	DK - Ja	Tava Development kit.
JR	LE - Ja	ava Runtime Environment.
		Java Virtual Machine
		Just In Time
JDH	Transition of the last	JRE VS JVM VS JIT
		A STATE OF THE PROPERTY OF THE
JDK	z = JRE	E + Development Tools.
A -		<u> </u>
13	JRE	= JVM+ Library Classes
- 1	•	
		TVM
	4.9	
7		TTT
	- 4100	(just in time)
	, 10 2 - 10 T	
		No. of the second secon
-		
	- ,	

CARAFA FARAFA FARAFA

O JDK - Java Development Kit.
Legality and the second
- required to develop & run Java Programs.
- it is a package that includes:  development tools, JRE, a compiler (javac)  archiever (jar), docs generator (javadoc),  interpreter/loader.
development tools, JRE, a compiler (javac
archiever (jar), docs generator (javadoc),
interpreter/loader.
@ JRE - Jave Runtime Environment.
- you cannot create programs using this,
you can only run your programs.
It u unside JDK.
- consults of:
deployment techs, UI toolkits, integration libs, base libs, JVM.
ubs, base aus, sym.
alter aptting bute (ode / class file).
things that happen at ruplime are:
(1) All classes are loaded by class loader
needed to execute program.
- after getting byte code (.class file), things that happen at runtime are:  (i) All classes are loaded by class loader needed to execute program.  (2) Format of code is checked by JVM by
sending it to byte code veryier.



-allocates memory for class vars
& défault values.
- replaces symbolic references from the
type with direct references.
- replaces symbolic references from the  type with direct references.  (will be explained in brief in functions)
3 Initialization:
- all static wars are assigned with their
values delined in code & static block.
- all static vars are assigned with their values defined in code & static block.  (OOPS).
JVM contains stack & heap memory allocations
J. Leaf M. G. G. Cambris
· JYM Execution.
Interpreter:
- line by line execution.
- when one method is called many
times, it will interpret again.
and again.
· JIT - Just in tume:
- provides direct machine code so no
reinterpretation is required.
- makes execution faster.
- makes execution faster garbage collector.
0 0

