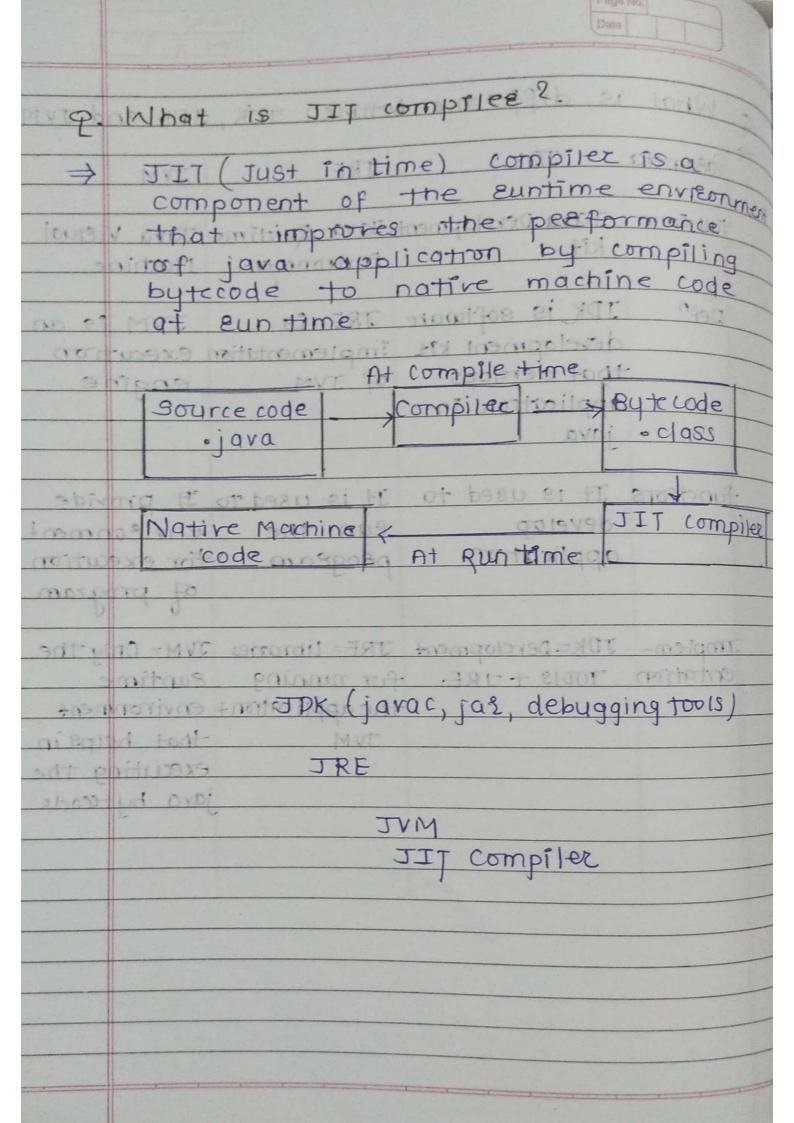
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₹.	What	is difference be	etucen Jok,	TRE and JVM
	Pasameta	JDK OM	JRE	JVM
		smiraus redt		mis in 1
	full-form	Java Development	Java Runtime	Java Vietual
	alligns	skits normani	Environment	Machine.
	baa 2/	videam evition	Soh saboa	arud
	Defn	JDK is software	JRE 12	JVM is an
		development kit	implementation	execution
		that develops	of JVM	engine.
		application in		U108-11-10-11-11-11-11-11-11-11-11-11-11-11-
	180 30	java.	DVO	
		It is used to	It is used to	
199/11	COUNTY OF T	develop		
		application	peogeam	
				of program.
		This - 00: 01 - 0 - 1	TOT - liberaria	The Antitha
	Implem- entation	JDK=Development		suntime
		uppudah 201430		
	1 23 45 1 13	LEBOOT 17 D LANGE		that helps in
			MVC	executing the
				java bytecode
		M	VII.	Jara ogradus
		IT compiler		
			da Carpernal T	



	Page No.   Oster	
Q.	What is class loader ?	×3- 69
otto.	Extension crosscondes, is a child of Bart	
$\Rightarrow$	TClass loader is a part of Java Rum	time
BV	Envisonment that dynamically load	
	classes into Java Vietual Machine	
	2] Java classes aren't loaded into me	
	at once, but when sequised by	an application
71	3] At this point, the JavaciassLoader	is called
	by TRE and these class Loaders 1	oads
137	classes into memory dynamically.	PET CONTRACTOR
	47 To know, the class loader that	loads a
(1)	dassi the getclassLoader() method	is usea
b	5] If any of crasses are not foun	d then
	it setuens a closs NorthundExcepti	ON.
	0	2
	Depending on type of class & path classicades is decided.	of class
	tiassionder is decided.	
	A Java classLoader is of there types	
	1] Bootsteap Class Loadee:	2040
	- Boot steap classionader is a Machine	TVM colle il
	which starts the operation when	JVI COISIE
-	- Its not a java class - Its job is to load the frest pure - Bootsteap classloader loads classes	Taxa classical
	113 06 13 10 10ag The HEST pace	5909 0900 1000
	- Bootsteap Classionage Todas Classes	12011)
	pocation regales dos not base	2011
-	paeent classicades does not have	ang
	parent viassibaged so it is called	43
	permoodial classloader.	

Paga No. Date 2> Extension classloades: - Extension classicades is a child of Bootstean classicades is a child of Bootstean classicades the extension of core java classes from the respective JOK extension libeary 5). System class loader-An application classicader also known as system classloader It. 100ds the application type dasser found in the envisonment reitiable class path, or cp command line option The application class Loader is a child class of Extension class Loader. hepending on mype of class 1. Bout stalp Classloader : Boot ateur "classinader is a Machine code elips five nedw mottosego entre elsote delides - Its for is to load the frest pure I and class Rootsteap classionale loads classes Peter location of the contract does not have any pagent of asstander so it is carred as Pelmordial Classicoder

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Explain History of java who invented

Pateick Naughton Initiated the java language project in June 1991

Java was originally developed by James
Gosling at Sun Microsystem and released
In 1995

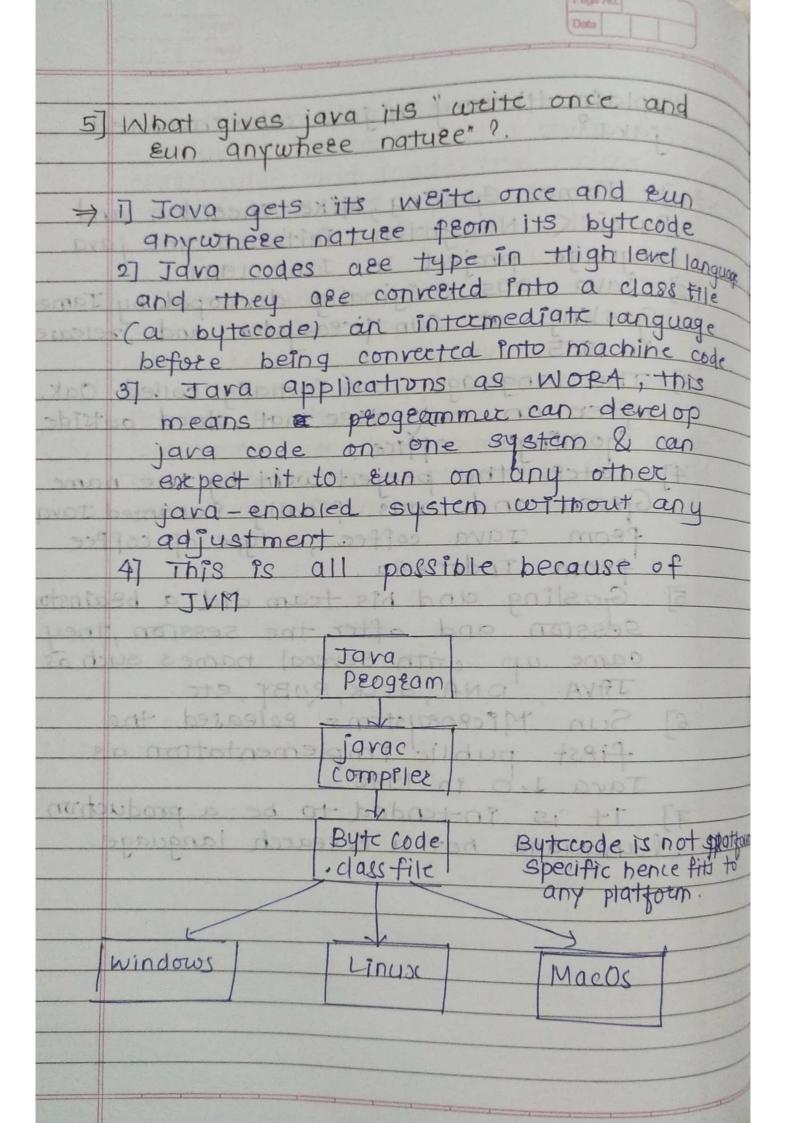
3] The language was initially called Oak after an oak tree that stood outside Gosling's office

4) Later the project went by the name Green and was finally renamed Java from Java coffee, a type of coffee from Indonesia.

5] Gosling and his team did a beainstorm Session and after the session, they came up with several names such as JAVA, DNA, SILK, RUBY, etc.

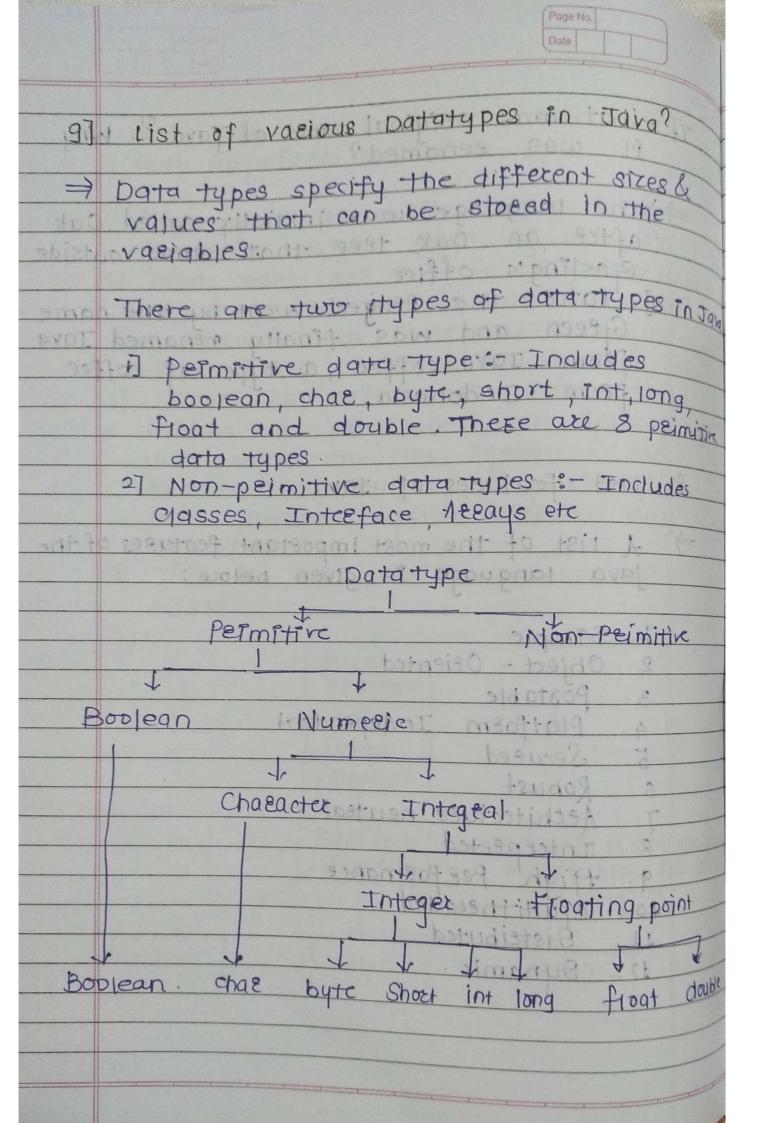
6] Sun Miceosystems eleased the fiest public implementation as Java 1.0 in 1996.

I it is intended to be a production language not à Elsearch language.



77	What was original name of Java 8. Why it was renamed?
	et was senamed?
N	The Data tupes specify the different sizes
=	Atthe language upas iditions called Oak
	aftee an Oak teee that stood outside
	Gosling's office
T 17	of contract the peninger went by the name
VIII	2] Latte the project went by the name Green and was finally renamed Java
	Server Triva confice a time of coffee
	feom java coffee, a type of coffee
16	101 from trandonesia sodo mostood
CELERA	float and double : There are s pr
0	250 pt of to b
8	ullist features of Java misq and so
	1 121 20 11 2014 2010 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
7	A list of the most impostant featuses of the
	java language Ps. given below:
34	tila Simple
	2. Object - Oziented
	3. Postable
	4. Platform Independent
	5. Secuted
	6. Robust
	7. Achitecture neutral
	8 Interpreted
	9. High Performance
to	to Multitheeaded
	11. Disteibuted
*	12! Dynamic.
1000	Bookean that but short in long front
1200	
The second secon	

Page No.



What is difference between 3ystem. out. peint System out peint in System edd. peint => System.out peint(): Pernts the content without switishing to next line after executing the statement Il This hydrode is a platform independen min no and del and fi asumed also Systemiout point unil Peints the content and switch to the next line after execution of the statement => It will peint the standard output of Syst the system the source code and machine code System: cor print en ():-It prints the standard error error texts. if is reasonal on us bateleaust as ti and antersplan at 11 made spoon saldsom bu the machine at moltavation to be at shoo anidant fa slattle astonic solidore uthossile softe beginned at special office siler enterpresent is destellance

seprence) saldong batter orth

	Page No.
	Data
	olatform independent
11	How is java: platform independent?
	- a hardwase or soft.
	JA Platform is a hardware or software
	envieonment in which a peogeam euro
	of Java code can be executed on multiple
	platfoems for eg windows, Linux, Sun
	Mocos etc.
	3] Java code is compiled by the compiler
	and converted into byticcode
	4] This bytecode is a platform-independent
	code bécause it can be sur on multiple
	platforms i.e. White once and Run Anywhen
- 0	Hous Civora ) tastas ant Hais?
	to the next line after execution of
12	The Statement
12	I What is bytecode? How is it different from machine code?
->	Il Bute code e in an eller aliana adalu
1	I] Byte code : is an intermediate code bet
	the source code and machine code
~70	2] It is low-level code that is the result
44	3) of compilation of source code
	3] It is processed by violation machine
	4] Butte code is an succession (JVM)
	4] Byte code is non-eurnable code after
	interpreter into
	machine code then it is understandable by the machine
	57 Machine and in
	5) Machine code is set of instruction that is
	- Hadrine code 15 obtil
	compilation or interpretation. It is also called machine language.

31	Byte Code Machine Code.
	Solid solutions pur
ij	Byte code consist Machine code consist of
- 0	of binary hexadeci- binary instructions
	mal instruction that are directly
12	and it is not undeestandable by
	disectly understable the icpuision
and	by the crub sit soi sidennis A
	iava classes without having to know
70	Bute Carle se consi Machi
	Byte code is consi- Machine code is considered
311	dered as the low-level
	Intremediate-level rode.
	code.
31000	What is the difference between Run
3]	Byte code is executed Machine code is not
	by the vietual executed by a vietual
असि	machine then CPU machine of is directly
	sit ei sit sot on executed by score.
12	combination of compiled lava classe
4]	It is platform It 9s not platform
	independent asit independent
	is dependent on the 22000 and
	vietual machine and
	VICIOUI MIGAMIC CHE
Solo	angel for househ medicale a si twell
	How is a platform dependent jongs
	= It is platfoem dependent because the
	Compilée generates a machine code
73	which is undecitand by the respects
	arottpla .

Albert is the difference between jar file and eunnable jar file?

TAR file is a java application which eequites a command line to sun a eunnable TAR file can be directly executed by double clicking it A sunnable jas file allows a use to sun java classes without having to know class name and type rather the use can just double dick on the jar file

What is the difference between Runnable jaz file & esce file?

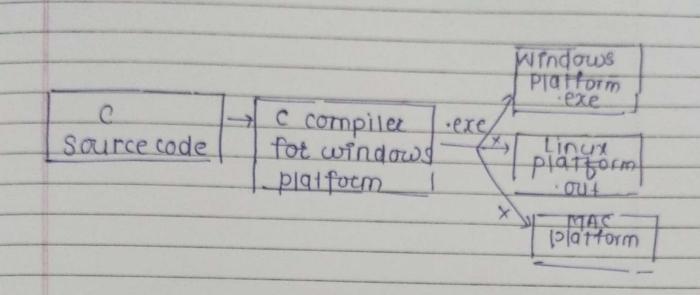
Jae file ale like dead body, exe file combination of compiled java classes.

Executable file is also combination of compiled java dasses with Main dass.

time saidcour fortsiv

Hory is C platform dependent language?

It is platform dependent because the C compiler generates a machine code which is understand by the respective platform



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Compiles on windows platform generates

Pere file after compilation which only understand windows platform

Linux & Mac does not understand exe so code C code compiled on windows platform do not work on Linux & MAC platform

This is the reason C is platform dependent means you have to download or use compiler according to platform on which you ase eurning c code

Que What is difference between path & class path?

1] Path - is an environment valiable which is used by the opecating system to find the executables.

Classpath - is an environment valiable which is used by the java compiler to find the path of classes