Assignment-2

		010	1
91>	What is the difference bet "JDK, JRE & JUM!		
=>	JDK .	JRE '	JVM
	JDK stands for		1) Jum standifor
	'Java Devolopment	'I ava Run time.	JVM. vietual
-	kit!	Envisonment!	Machine!
0)	It is often called	to tal pui. tp (o	& Jum Loads, veig
	as 'superiet of TRE'	instructed spots.	and execute
		serponible of Java	I ava lytecode
		few execution of Iova	
		heageam of applicat"	
3>	It is the Coundations	3) at was hear wace	3) et is known
-	component that	for dynamic memory	as Enterpreter!
	enables Java Application	allocation for Iava	
	& Towa applet develop	as objects	
4)	JDK contains all the	a) It uses heap space for Lynamic memory	a) at is specially
	tools required to	for dynamic memory	serponible for
-	compile, debug to	allcation for Land	convecting lyteral
	eur a reogeam	olyects	to machine specific
	developed ming	a) TRE is composed.	necessary in trail
	java flatforin	of a vasity of	JDK BOTRE.
		other supporting.	
		software tools &	5) It is also
	-	features to get	platform depent
		the most out of	
-		Java application.	

92) what is JIT Compiles? of JVM' (Java -Infine) a) at is a long-sunning, computer-intensive peogeon that peovides the best envisonment trammasima samment 3) It optimizes the performance of the java application at compile as sun time. Advantages: 2) The code optimization is done at sun-time 3) It was different level of optimization. as at seduces the page faults. Disadvantagese) The peogean with less line of code doesn't take the benefit of the JIT compiles. 3) at the lots of cache memory. What is class boadce? =)) Java classbooder is on abstract class. at belongs to a java long package. At is used to load the classes at sun-time. Java classloader is based on 3. principle. a) Delegation: at Forwards the sequest for class londer.

b) Visibility: It allows child classloader to see all the classes loaded by havent class loader cannot see classes loaded by child loader. c) Uniquenes: at allows to load of class once at encuses that claulo odes doesn't reload the class, which is already loaded by the pasent. 1 Bootsteap class boades! Exetension class Loades System class loader customer class 1 Customes class 2 Hierarchy of class loader (94) What gives java it "Weite once and Run Anywher noture? Java Reogean Java C (compile) + Byte code clas Rile Windows Linux

Java application are called WORA; e (write once and Run Anywhere).

This means programmer can develop joura code on one system and can expect it to sun on any other Towa-enabled system without any adjustment.

This is all forsible because of 'JVM'.

The foogram is not converted to code directly understand by stackware, sather it is converted to by stackware, which is interpreted to by TVM. So once compiled it generales bytecode file, which can be sun anywhere can marchine inhab TVM de hence it gets the nature of 'Write Once and Run Anywhere.'

(95) Explain History of Tava & who invented Tava?

1) History of Tava starts with 'Creen gram.

2) The principles for creating Tava progra-mming were "Simple, Robust, Portable

platform-independent, Securced. High-performed

3) Tava is used in internet programming,

mobile devices, games, e-business solutions

4) James Crosling, Mike sheridan, Portrick

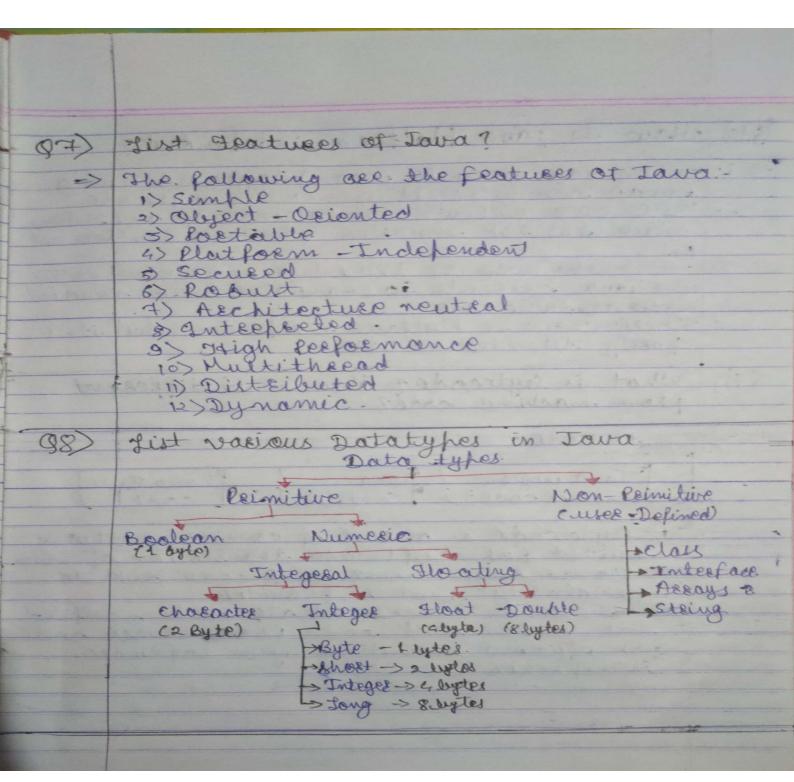
Noughton initiated Jowa Language project

in June 1991.

These small Loam of Jun renginees:

called "Creen Leam."

2	5) Java was doublohad low" Tommos Capelina" rulos			
	5) Java was developed by "James Crosling" who is known as father of Java in 1995.			
	AL MANAGEMENT OF THE RESERVE OF THE PARTY OF			
1	James Gosling Sembedded System Crecental			
200	James Grosling Embedded System Green Latt (Father of Java) . Like set-top looner (.gt)			
	In Public 2			
	Java Silk Cak			
	(Renamed) (Renamed) (Renames)			
	in 1995			
100	DESCRIPTION OF STREET AND STREET			
120	Tullet was the acidinal name of journ?			
96)	why it was renamed?			
2.4.1	way a was review ,			
=>	Is the opinional name of java was "Oak"			
-	which was developed by a small team			
	of engineess working for Miceo			
Law	Sun Mirenbystomis:			
	2) they called themselves the "Green Team"			
	3) The 'Oak' name was senamed due to			
MAT A	the fact that Dat was already			
	seguitered as part of another teadement			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
(G2)	System see heint, System.out. peintlnc);			
	System ese held, System. out prejutine);			
	, , , , ,			
	System Out paint () System. Out paintln() System. exe. paintle			
4	The control or curse 15 The control (cursor 1) System err print			
	semains on the moves to the next is used to disply			
	painting. Line after leinting seeds message			
	disflayed in sed			
	colous.			



910) How is java Natform independent? invac compiler it generates byteode.

The can execute the bytecode in any platform
which has JDK instabled 1. 2 Java Development 3) with the help of JVM which is prepared in TDF the java Leytocode is translated into machine understandable code. Shence, Tava is flatform independent but it is puzely depended on JDK (1) What is leytecode? How is it different from machine codé? Java leagean Java.
Crousce code : Compiler 1) Bytecode is a sost of command that is for loftwass translation of resolution 2) commonly known as p-code due to postability that it heavides. into a low-level code from source rode poe efficient execution by a enflwage

ByteCode

Machine Code

cade designed to sur on a vietual machine instead of a central processing whit (CPV) made up of the native instructions associated with that particular computer

a) The function of lytecode is to be a format that can be executed efficiently by the virtual anachine.

2) Machine Code is the language which all peograms must be converted into before they can be sun.

3) It is platform independent because it can be executed on any platform using the vietual machine.

3) It is not platform independent meaning it connt be seen.

on just any platform with the same os

912>

Explain Nations memory logical lastition?

1) A logical partition (CPAR) is the division of a computers memory, and storage into multiple sets of seroneces so that each set of seroneces so that each set of seroneces can be operated and spendently with its own operating system enstance & applications.

2) The number of logical partitions are used for different purposes such as database operative or client (reruse operation or the reparate test

& flocution envisonment.

3) Each flotitions can communicate with the other facition is in a separate machine.

Q13) what is difference bet jacklike & sunnable jack Runnolde jas file Jackile 1) Tax file is a jour appl "
which requires a command s Runnable jax sile allows a vise to seen line to sun, a sunnable java classes, in thrust JAR file can be disectly. having to know class name executed by double dicking & type them in common peopt, eather the uses can just double click on the jax file and the peogean will floory A (Towa sechive) is a hackogot > A summable jae allows File format typically wed to jover classes to be. aggrégate many jour class doaded just leke whomas piles associated metadato uses clicks on exo file. and execusces into one file to distallente applica" software or libraries on the java platform. (914) what is différence bet Runnable jas file besetile 1. Jas Pile ase like doad rese file are like Juring 2. Jae file is the combination of compiled java clases 2. Executable jas file is also combination of compiled java classes with main

915) How is chatform dependent language? is not tied to any hordware or system.

? We can say, it is a hardware independent language de platform indefendent language 3. That is very a is called "Roelable language 4. Le peogeons does not depend on actually but the executable file that is generated at the end for sunning the c-peageam many defend on a platform. 5 when you we os you get other extension for executable files (916) What is difference bet joth Class path. Path class both 1) Path valiable is used 1. Clas fath variable is used to set the Ato set the path hath for joura for all java software tool like javac ene, classes. jour ese, javadoc. ese, 6. 10 on. 2) variable nathrive: - PATH 2. Valiculte name: classalls reasiable value: variable value: c: Reogeon Jiles Tava zilkin; C: (leaggam files) Tava 7 jere 26.01 Jee 1 dib 181 pe