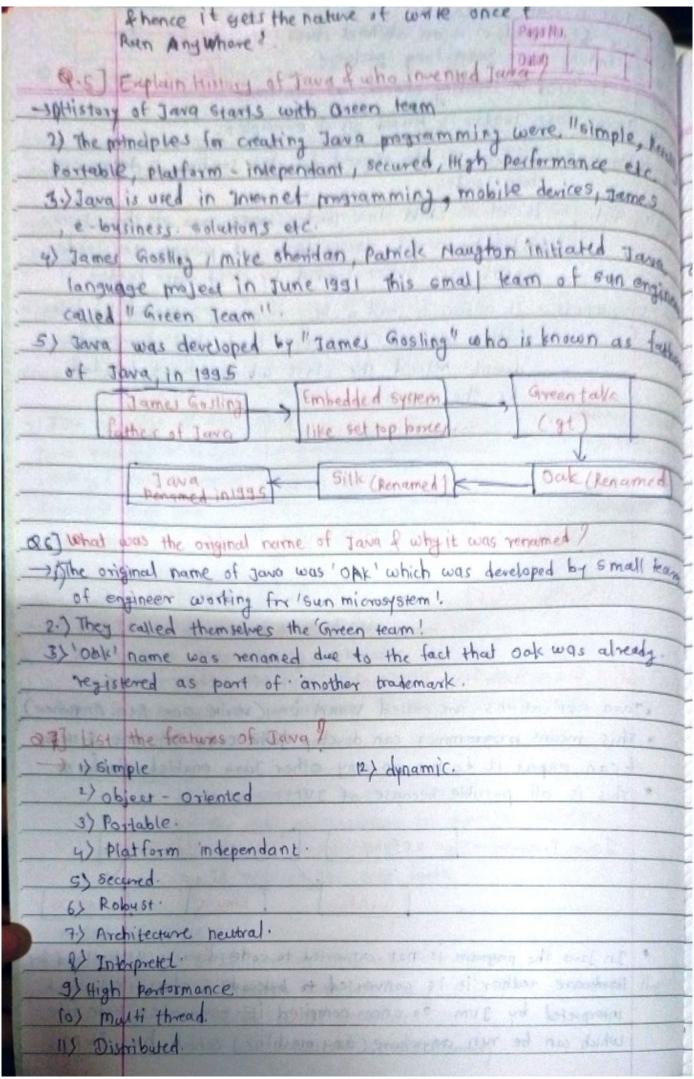
Assignment No.2.
Q1] what is the difference between JOK, THE AJUM? DIST.
- JOK JRE JVM
DIDK stands for Java . 19 IRE Stands for Java . 1) TVM = Java wither
Development leit. Rantime Environment Processing
2) It is often called as 201) It is a set of soft - 2) Jum loads, restly form
- 6 superset of JRE! - ware tools. Java beteaste
9) It is the foundational 3) It uses heap space 3) It is known as.
component that for dynamic memory interpreter
anables Java Application, allocation for Java
Objects
tools required to comit
tools required to compile a variety of other for converting bytered
of the morane state of the
trale 1 1
Platform most of Java app" in both JBK & JRE.
Q.2) What is JIT compiler 9
I dell is a integral part of Tum (a
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best amance.
of optimizes the performance of java application at
compile or runtime.
* Advantages:
1. It requires less memory usages.
2. The code optimization is done at runtime
3. It alses diffrent level of optimization.
4. It reduces the page fault.
* 1: 1
* Disadvantages:-
1. It increases complexity of program.
2. Program with less line of code dose not take the
benitit of JIT compiler.
3. It uses a lots of CACHE Memory

0.3) what is class loader 9  Class loader is an abstract class  Place No.
2.3] what is class loader ?  District belong to a Java-lang package.  Place No.
1. It is used in reading evalues as runnime.
4. Java class loader is based on 3 minciples.
a) Delegation: It forwards the request for class loading to das parent
by Visibility: - It allows child class loader, but to see all the classes.
loaded by porent classloader, but parent class loader.
cannot see classes loaded by child class loader.
c) uniqueness: - It allows to load a class once it is achieved by deleg-
- ation principle. It ensures that child desiloader
dosent- reload the class which already loaded
by the parent:
Types of loan Boot swap class loaden.
class loader: Boot swap class loader.
Entension class (bader)
System class loader.
and the state beautiful was distributed from the sour linguistic salling
customer class L) customer class 2
Hierachery of class Voadar
Tally specified last last set at sub pergram and among blood it.
p.4] what gives Java its Write Once & Run anywhere nature?
- Java applications are called work i.e. (write one Ren Angwhen
. This means programmer can develop java code on one system
from expect it to run on any other Java enabled platform
This is all possible because of JVM.
To Particular of the second se
Java Program -> Java c (ompile) Bytecople class file
0 1 1 miles
window Linux macos
The Architecture Comments
In Java the program is not converted to code directly understood
Hardware reather it is converted to bytecode (. class file) which
interpreted by JVM 30 once compiled it generates byte file
which can be run anywhere (any machine) which has IVM
and all he ren anywhere (any maintie) which mass some



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·) Sys Cont	em out print	maves to the	the same lin	e. after printing.	dor
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1) Bytecode is a sett of command that for enfluence transition operation, for enfluence transition operation, 2) Commanly known as p-code due to portability Data 2) Commanly known as p-code due to portability Data 2) Commanly known as p-code due to portability Data 2) Commanly known as p-code due to portability Data 2) Commanly known as p-code due to portability Data 3)
As Ryrecode is a sett of the operation to portability Date
for coftware p-code due
2) Commanly known as present a low-level code from that it provides:  3) It is a intermidiate code compiled into a low-level code from machine code machine code
that it provides:  3) It is a intermidiate code compiled into a low software interpreter.  The source code for efficient execution by software interpreter.  The source code for efficient execution by software interpreter.
as at is a intermidiate code
the source code for extreme machine cake
Average to intermediate code designed 1.) It is a computer program made up  1) It is an intermediate code designed of native instructions associated  1) It is an intermediate code designed with particular computer.
Byte of intermediate code designed in affive instructions associated
of contral processing unit (CPU).
THE RESIDENCE OF THE PROPERTY
29 martine code is language which
that an pt
eneasted efficiently by virtual into before they can be run.
machines interpreter.
machines and amount of the secretary and the sec
3) It is platform independent. 3) It is not platform independent means.
because it can be executed on it cannot be run on just any
any platform using virtual platform with same operating.
machine system.
2127 5 -1
R-12 Emplain various memory logical Portitions
MA Logical partician is the division of a computers memory of storage
into multiple sets of resourses so that each each set of resources.
instance & applications.
instance & applications.
2) Number of logical panitions are used for diffrent purposes such as
a database operative or client/server operation or seprete test of
moduction environment:
2) Each partitions can communicate with other partitions as if other
- pantidans is in a separate machine
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Java Program Java
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a.13) what is the differee between	Jan Bla 1 02 - Ule
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	I are Ala tan
Hyar file is a jave apply which. I	> Ruppeble 2 - The H
ine a command line to run.	> Runnable jar Alle allows a user
- name drie the can up	to run Java classes without having
liverty executed by double	elass names and type the
lived 3	armand mompt crother the
clicking.	user can just double did on the
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Ajar (Java Archive) is a 2)	made jay the allows some
package file format typically. und to aggregate many java.	TOUGHT THE LINE AND A LINE
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g resources into one tile.	
to distribute application	
software or liabraries on the	
Jara, platform.	
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2.14) what is the diffrent bet? R.	innable for file of ene. file?
Runnable Jan file.	
1) Jan file are like dead body.	Dexe file are like living man.
2) Jan the 13 a combination	2) Enecutable jar file is also com-
of compiled Java classes.	- bination of compiled Java dasses.
	with main class.
Q.15 How is 'C' playform dependen	nt Language?
-) 1.) C is a portable programin	g language because it is not tied to
any hardware or system	,
2) we can say, it is a hardw	care independant language or platform
independent language.	
3) That is why C is called por	stable language.1.
	nd on actually but the onewtable
'file that is generated at t	he end for running the c'mgram.
many depend on playform	
	et other entension for executable
files.	

12 Path ve	Path class path: Pagano.  a riable is used. 1) class path variable is pala:	1
to sel.	the path for all used to set the path for java comment tools like.	
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THE R. LEWIS CO., LANSING MICH. LANSING	name: - PATH 2) Variable name: class path	4
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