Question ) what it difference between JDK, JRE and

o 9t stand for Java Develo pent kit "

and Java Applet object. development

· JOK Contains all the tool sequend to compile debug and Run a program developed using the Java platform spread that seek of spectation sees there

t stand

1 of Stands for Java Develo

Runtine Environment Java Nestud machine

a 9tin the foundation of 91 User Mean space nal component that for dynamic menany enables Java Application allocation da Java

> - JRE in the composed of surely of other supporting saturately and feature to get the most out of Java in also pres application

DE JUM Do Jum standa for

> Africkness to the 9-t in Responsible dan converting byte code to mochene as de and is necess any en both TOK and JRE-

> > It is also know as platelow dependent and Interpret

of the sent of the sent and the sent west

what is It t compiler 9. Answer JIT is the Integral part of JYM It is strong long ourning computer intensive brograms 9+ provide the best environment performance , 9+ optimize the performance of the Java application Advantage -O 9+ requirer Jess memory usages (2) The Code oftime zation up done on Run 3) 9+ User different Jevel of optimization teme . 1 9+ reduces the pige taults 1) 9+ encreases the complexity of program 2 gt Usep Joto of contine memory What is class Jorden 9. Answer = 94 belongs to Jara. Jang backoge o 9t in used to Joed the class at the Run tense

Java class Jooden un basel on 3 prénible

94 lowerd the request for class Fredering to ponent Delogation\_ class fieder branche and with the state of t strenger thousand you and had been visibility > dans land Allens 9t allows child class producto see all the class Jooded by bonent class Jorden but the bonent class Jooden count see classy Jooded by child dass. t allows to food a class once 9+ is Achieved by delegation principle 9t ensure that alrody Jooded by the parent. Bootstrop class tooder Extension, class Jorden System class fooder What was the original rane of Java? why it was benamed ?

nower The original name of Java wap "Dak"
which wap described by a small team of
engineer warring for sun microsystem"

1) Simble -: Java in every eary to Jean and ils Syntax is semple , your and easy to ordestand According to sun microsystem Java in similar because 9+ have based on 10+2 Calle Jean 0+4 then you can easily team Java)

Java how semoved many complicated and Rearly d painter and operate over fideing.

object in object oriented )

Evoy there in Java in object. Object - arented mean pe organize our software ap a compenation of defferent type of object and both data

Object aniested de a methodology that simpli Jiego Soltwee de velspernent and maintene by providere some Kuno probederg some Keine.

## placelan Independent -

91 moons if we convert source code to byte code ther we can use by tecodo at any when 30 It is called as platform Independent.

## Poblist >

Java it Robbist means sterning Junguage . Java in Rebust Bodanse

-> 94 User string memany manageratest.

-> Thee is a Juck of pointer that ovaid a sequenty

> Java has automates gentage collection which keins on the Java Visteral machine to get sid at object when object in crited and there are no use of this so garbage collector automatically! Remove them? " his simil

a believes toigele in terpolo

Secure >

Java program are seque because In their ne user access medifia wheel we dota member an membe function get sequencied. god Jasa program are most seque becamp st have to Jerra free Jarquige Mining

go gt in called secure Janguage.

## ( pontable )

Java can used any where and any teme after compli code. 9t means when come code convert ento lyte code the ne can easily exercise other so st up could bontalise a

solar of seels he spossifed well sugared topic of Complished and Interpreted)

get meany Java in passed too stage buthe complier and Interpreted. In this First counce code to byte code then by Interpetatan we use comment bythe code to Munan understanble Code=

distributed - Java in distributed because we can kun eny Java program in byo's wen and due to known different -2 tests you perform after that we connet with seven and get outputs their feature in collect a distributed.

multithreading - multithreading means there are different - 2 thread which Rein Continuosly,

Dynamie 3

Java un a dynamie Jarquege 9+ subbat the dynamic Juding of doss gt mean classon are Juded on demand -

(12) Height berlaimance

Java in Poster than other traditional unterpreted programing Janguage because Java Sytecode un clise to natione code, gt in still a fittle but slower than comblided funguinge (c++). Java is slower than other junguish to cauce of other Junguish is only completed then executed.

> THE SHELL IN " spins of designation of mentals