	What is difference between	th and Tara & The
01	What is difference perween	the basis of the same
	C++	Java
	I have be ad bounder	Lendon Contrary Collection 10 of
	C++ is platform dependent	. Java is platform independent.
	c++ mainly used for	. Javo is mainly used in opplication
	System Programming	programming. It is widely used in
		window, web based, enterprise
	The Annual Control	and mobile applications.
	T++ supports go to .	Java doesn't support goto
	slatement.	statement.
	C+1 supports operator overloading.	Jova doesn't support operator
	Settle of the Abelia	overlooding.
	You can write pointers in Ctt	· Java support pointer internelly.
		However you con't write pointer
	The sale	in java.
•	C++ uses compiler only	Javo uses compiler and inter
	THE CONSTITUTE OF THE	-preter both
	Car and a serent	Javo is interpreted that is why
	DE TOTAL DE	plotform-independent.
-	a contraction and a	
	c++ call by value and •	Java supports call by value
	call by retructe	only. There is no call by refrence.
	ctt is nearer to hardware.	Jova is not so interactive
		with hardware.
		MARKET RESERVED TO THE RESERVE
	C++ supports multiple .	Java doesn't support mulliple
	inheritence	inheritence through class
		by can be achieved wing inter
		Tores.
6		

What are key features of java?

Simple - Java is very easy to learn and its syntax is simple falson

Java has removed complicated and rarely used features
eg. pointers, operator overloading.

Object Oriented: Object Oriented programing is methodology that simplifies software developement and maintainence by providing some rules. and also use of below concepts.

1. Object 2. Class 3. Inheritence 4. Polymorphism

5. Abstraction 6. Encapsulation.

Platform independent: Java code can be run on multiple
platforms for eg. Windows, Linux, Sun Solaris Java
code is compiled by the compiler and converted to
bytecode This bytecode is independent of platform
that why Java is Write Once Run Anywhere.

Secured: Java is secure because no explicit pointers.

and java program runs inside virtual machine
sandbox

Robust: - It uses strong memong management
automatic garbage collection to get rid of
unused objects
exception handling and type checking mechanism
also

Architecture-neutral: Java is archiclecture neutral because there are no implementation dependent features.

Portable - Because it uses bytecode which runs on any platform. High performance - Java is faster than traditional interpreta languages. Distributed: Java is distributed because it facilitates users to create distributed applications Multi-Threaded a thread is executed simultaneously in multithreaded environment. It closen't occupy memory like processes Dynamic: - Due to looding of classes at not dynamically.

and outomatic garbone collection. What is JVM? @3 JVM (Jova Virtual Machine) is a abstract machine This called as abstract machine because it is not physically present. It can sun the programs which are converted to java bytecode JVM performs below tasks: . Loods code · Verifies code Executes code Provides Runtime Environment

What is OOPS ? Why It is called object oriented? oops Cobject Oriented Programming System) is a methodology or paradigm to g design program. using classes and object Il simplifies software development and maintainence by providing some concepts · classes · objects · Inheritence · Polymorphism · abstraction · encapsulation It is called as object oriented because as the name suggests it refers to the language that uses objects The main aim of our is to bind together data and functions that operate on specific parts and no other code can occess this data except the functions that are part of the object What is multiple inheritence? Explain in real time and programmatic way Multiple Inheritence :-Multiple inheritence is type of inheritence which a closs can inherit properties of more than one parent class. closs A 5 class B 3 But this is not allowed class C extends A, B c in Java. psvm (String args[]) { 3

so you can use multiple inheritence boy implementing Interfaces in java. interface A & void show (); interface void show(); closs C implements A,B public void show() & A. super. show(); B. super. showes; psvm (String args[]) { Cc = new CU; c. show(); 1/ valid 86 for example ! A class vehicle a interface treve Vehicle have method runco and 2m interface have Fly have method fly() we can implement both methods for a class Aeroplane which needs implementation of both methods.

1		Pagir Mir.
09 16	Difference between abstrach	class and interface.
	obstinct class If we do know about partial implementation but partially then we should go for abstract class.	implementation just us have
	Every method present in abstract class need not be public abstract	
	need not be public static	every interface variable is public static final declared or not.
	There are no restrictions on abstract class method modifiers.	methods with the modifiers private, protected, final, static, synchronized, native,
Intestare	(need to initialize at the time of declaration gion gives compilation error)	strictle. I not required to perform initialization with declaration
	Inside we con't take static and instance block	Inside abstract class we can' have instance and static blocks.
1	Inside interface you can not have constructor	Inside we can have constructor in abstract class

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Wh	al is encapsu	Valion 8 Explain	with real fin	ne example	e a	TI
Enc Loge Por	example	in java is u single unit.	The state of the s	All and All —		(
1410	can use he making	uly encapsulate all data men yer geller class is ex				
closs	Waste Waste	you can make		and the state of		
1-Java	nlages 8	Il provides yo		THE PARTY AND	MICE I	
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PERM	AND DESCRIPTION		TOP DEAD			

What is polymorphism? and Inheritence? The word polymorphism means having many forms
In simple words we can say ability to perform
display operations in more than one form. Real Life example. : A mobile does a job of gaming as per requirents so it can take different implementation for different tasks. Mainly divided into two types 1. Compile time polymorphism 2. Runtime Polymorphism also known as earlybinding/static polymorphism late binding I dynamic polymorphism. campile flow board Inherilence Inheritence basically means one object agguires properties of another object & by forming a relationship IS-A relationship also known as Inheritence By using extends keyword we can implement IS-A Relationship The movin advantage of IS-A Relationship is Remability of the code.

Melhod name. Arguments Return Typ	must be same must be different (at least order)	but from 15 version onwords
Access modifien	No restrictions	Weekening is not allowed.
private, star final method	J Can be prelloaded	cannot be overidden
Method Resolution	alwaystaken care at compile time based on refrence lype.	always take care by JVM based on runtime object
Also called as	Compik lime polymorphism Eonly binding.	Runtime Polymorphism Late binding
1020 30	The state of the s	man about a mine of the form