Static Keyword Ans) The static keyword in jua is used The static Variable gets memory only once in the class area at the time Eg - public class My Elass & private staic int Count = 0; Public Mycloss (String Nance) {

His name = Name; Public static int get Count () { 3 return court;

as what is class loading and how does the Java program actually executes? And class loading is the process by which IRE (Java suntime environment) dynamically books Jova classes into memory, when a Jova program is executed, it's classes are not all loaded into memory at once, but rather as they are needed. The Java class loader is responsible for do cating the byte code that represent a java class and loading it into memory. It works in a hierarchical manner where classes are first searched in the bootstoop class loader, then the extensions class loader, and finally the system class The class loading can be divided into three modro. 1) Loading - class loader search byte code and loads into memory. 2) Linking - class loader perform a series of operations do prepare the class for execution. 3) Intialisation - class loader initialise the class by executing the static block & fields.

DATE _________FAGE No______

MIS	Can we mark a boal variable as static If we define a local variable inside a Non-Static method or block and mark it as static, the Java compiler would generate an error.
	We can mark a local Variable as 'Static' but only if it is defined inside a static method of a static black
Aus	Why is the static block executed before the main method in java? The static blocks always execute first before the main() method, because the complier stores them in memory at the time of class loading and before the object creation. Here, the compiler executes ale the static block first, and offer finishing the static block execution, it invokes the
	main () method () minus
	Why is a Static method also called a class method.
Ans	because it belongs to the class and not to any specific instance of the class. In other words, a static method is associated with the class itself, and not with any object created from the class.

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Q6)	what is we of static black?
Ans	A static black is a black of cods
	enclosed in worly braces that is executed
	once when the class is loaded into the
	memory. It is used to initialize
	static Variables, which are variables
	that belongs to the class itself a
	not to any instance of class.
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(33)	Difference blu static & instance Variables.
Ans	Sax and because of a second of
	Instance Variables are created when an
	object is created with the use of
	Reyword 'new' and destroyed when
	the object is destroyed.
	Static Variables are created when the
	program starts and destroyed when the
	program stops. Instance Varible can
	be accessed directly by (alling the Variable name inside the class
	Variable name inside the class
	Static variables are allocated "Static
	dota area", whereas instance variable
-	are allocated memory on the heap.

	static
(8)	Difference blu static and non static members.
	members.
Ans	Static Variables are shared among Unriable
	instance of a class. Non starte of a
	members. Static Variables are shared among all instance of a class. Non static Variable are specific to that instance of a class.
	class.
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	Non Atatic Hagriphill as
enin	Carrie black Carrie Carrie
	through only instance of class.
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