

JUN: - . It provides env for byte code to execute. · Juny smain took 1. loads code Rivorities code 3. Execute code 4. Provide vontine envi (Q3) What is the sole of the Jun in ded java 4 How does the Jun execute Java code? -> Jun :- provides untime env for bytecode execution. · It is platform dependent. Java file + compiler + Java class file + JUM -> execution (byte code) JVM converts byte code by 1. Loads code & toads class files. 2. Verifie code 3. treciles code 4. Provide contine env. OS) Ist compiler & its note in JUM? 7 - This wed to improve performance IIT compiles posts of the code that have similer functionality at same time I hence reduces the amount of time needed for compilation. Here compiler's refers to a translation from the instruction set of Jum to instruction set of CPU.

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Q:6.	do or liene land independent
Q	What is the significance of the class loader in java? What is the process of gerbage collection in java?
	In java, class loader & garbage collector one imp port of JVM. Significance of class loader: Dynamic loading: It means classes one loaded on por there requirement/needed. Class isolation: - Provide isolation between diff classes. So multiple versions can coexist. Loading from various correes:-
	noress of gerbage collection.
J	ava app -> Java class file -> execute Compiler Jun Stored heap carea charbage free up space by removing code no langer needed.

4 30	No. of Concession,	
		- Modifiers one used to set the access level for classes, attributes, methods of constructors.
	1.	Access modifiers:
	-	· public :- That makes it visible for other clayers. · private: The code will be visible within the
		declared class
	-	· depault: The code will be visible to the package
		· projected: The code will be excessed by summe.
		package & subclass . Long ?
	-	Fares Collected
-	2. 7	Son - Access modifiers:
		· final: The classe connot be inherited
	-	· abstract: - The class cannot be used to create obj
		· Static: - Attributes of classes belongs to class nother
		then obj.
		· transient: - Attributer & methods one skipped when
10	00	senializing obj containing them.
		synchronized: 1 thread at a time
		Volatile: - not cached read from main-mornory.
1	HEEF.	

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What are the four access modifiers in Jora, how do they differ from each other?
Java modifiers are used to set access levels for
Mores demalled method feels
et types 1. Public: - Accessible from any class in the applice 2. Private: - Accessible only within the class they ore declared.
3. Protected: Accessible within the same package or in same subclass even if they are in diff package. 4. Default: No modifier is specified 1 80 accessibilities to classes within same package.
Con you overside a method with a diff raccess modifier? For example can a protected method is a superclass be oversided with private method in subclass? explain? In java an overnding is possible but only to allow more access. so protected can be made public but not private.
what is the difference between protected 4 default (package - private) access?
instructed acress is more than default accers. simpleoted allow acress to child classes even when they're outside the package.

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