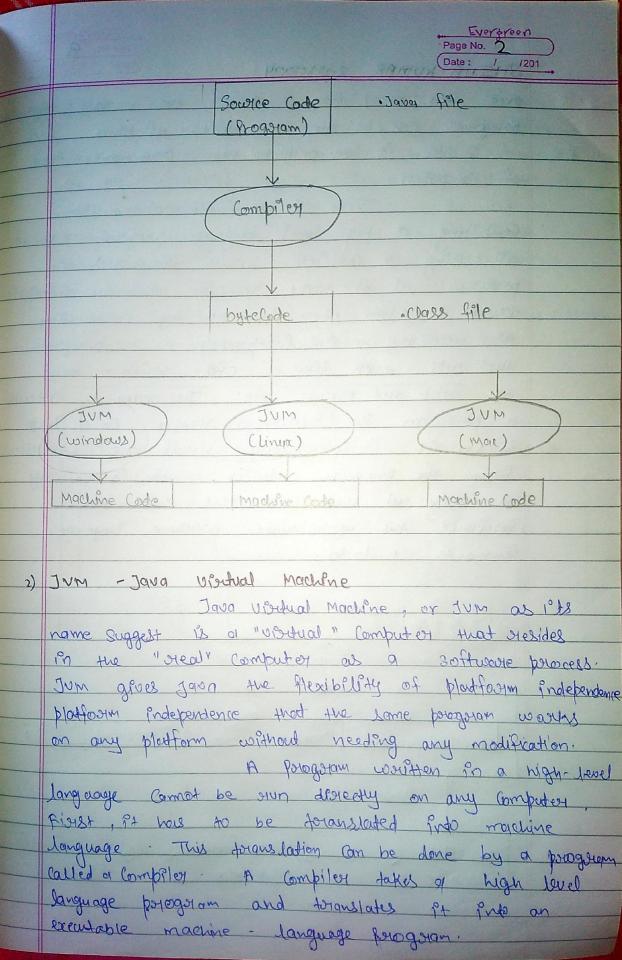
THUR WATCH MENT T Date: / /201 SHIUA KUMAR 20210004 1. 0 write a shoot note on 1) ByteCode 2) JUM 3/ JOK 1) ByteCode Jarg bytecode is the instauction set of Java visitual machine. It ack Similar to an assembler which is an own allas representation of cft code. As soon as a Java paragation is Compiled, Java bytecode is generated. Java byters 18 the machine code in the form of a class file. with the new of Java bytecode we achieve platform independence in Java. > How bytecode works? when we woulte a pologodom in Java flersty, the compiler compiles that program and a byte code is generated for that piece of Code when we wish to run this class file on any other platform, we can do so, after the first compilation the bytecode generated in now Hum by the Java upadual machine and not the perocessor in consideration. This essentially mount that we only need to have basic joing Installation on any platfering that we want to sun own code on. Resources suguissed to your the bytelode are made available by the Java virilual machine, which calls the portressor to allocate the required resources. JVM's age Stack-based so they stack Pemplementation to oread the Godes



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Date: / /201 SHIUA KUMAR 20210004 once the toronslation is done, the machine-language perogeram can be sum any number of times, but of lowde it can only be sum one one type of Compater. There is an alternative to Compiling a high-level language program. Fustred to turing a compiler, usual translates the foregram all at once, you can use an Enterprise which torquelate it Pustouration by Pustouration as necessary. An indeported is a poragogum that acts much like a cla with a kind of fetch and execute yele. For order to execute a perograpu the Proteporetor stunder on a doop Po which is representedly reads one instruction forom the program, decides what is necessary to carry out that instructions and then Performs the appropriate machine language Commands to-do so. Class loader JUM Language Classes PC Rogiston Native methou Method Amons Heah Executine Nortice method & Notice method

engine

7)	JDK - Java Develoment Ky°t	
3)	Java Development prot is a program	
	development envisor envisionment that sits on top	
	of the operating system layer as well as the	
	of the operating system developed wood to	
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	Compile, debug and sum applications worlten in Java languages. It includes the Java Rundine	
	Java languages. It includes the squarkundime	
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