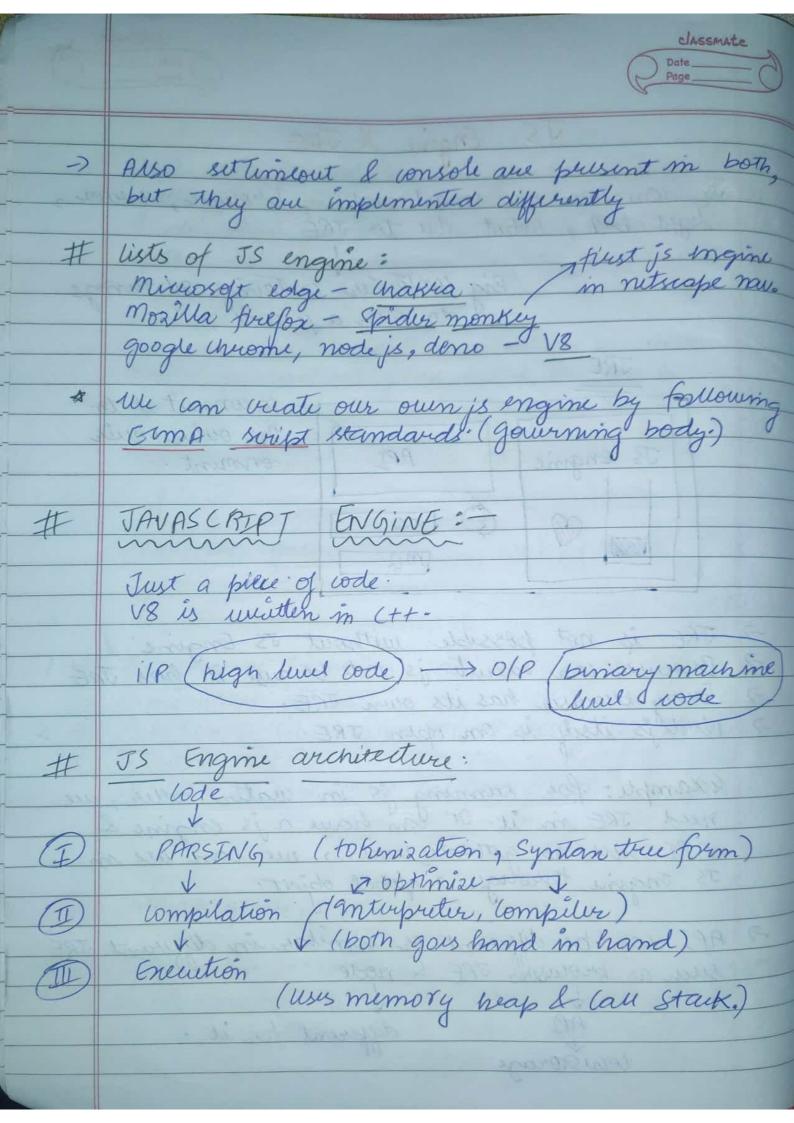


JS Engine & JRE Jest bull, robot du to JRE Big container containing all thrings to run a is code. to connect it to Js Engine the outer envir -enment. ma ma JRE is not possible without Is Engine Browser com execute is vode because it has JRE tury browser has its own JRE. Node is itself is an open JRE. need JRE in it. It can have a js engine & APT such as getheter level (); we can use in Is engine through a global object. API can be discussed or similar in discount JRE such as browsels JRE & node API dispuent for it.



17	Paul : 12 P - 1	
6	Pausing: 1) Broken down into tokens: anaryphe: let a = 7 TTTT diluit tokens	9
3252	marripu: la a = 7	
437	man and the same of the same o	
	different tokens.	
	2) Syntan parsir - Comment Code to AST	
	2) Syntan parsur - Conwert Code to AST (Abstract Syntan true)	
	AST -> Quantity	
	O asterplower not	
	artisplower not	TI
	Compilation: Js is JIT Compilation (Just in time)	
	= (Just in time)	
	Empiler: compile program line by line compiler: Optimise the code, regenerate, make executable & min execute.	
	Compiler: Optimise the Eode, regenerate,	#
	make executable & thin execute.	
	(purformance Imperorument)	
	Efficient, many	
	(Is can behave like both,	
	Hode is fast depending on JRE.	
>	Firstly Is sun on interpreter, but now	14
	modern browsers & Js engines uses a compil	Us
	& an interpeter both. (II)	
*		
		10

for faster execution of programs in browser interpreter are used to so execute program fast & also compiler are executed simpletaneously to optimize our program on runtime (JIT)

OA AOT (Alread of time)

optimize it as much as it dom & provide byte lode.

Contain memory heap and call stack 2 pasent.

Garbage collector: tries to free memory, we war the timeout.

we mark and Sweep algorithm. * (popular)

Other opthmisation: (Compiler does for Code)

i) Inlining

ii) Copy eliston

iii) Inline Caching

