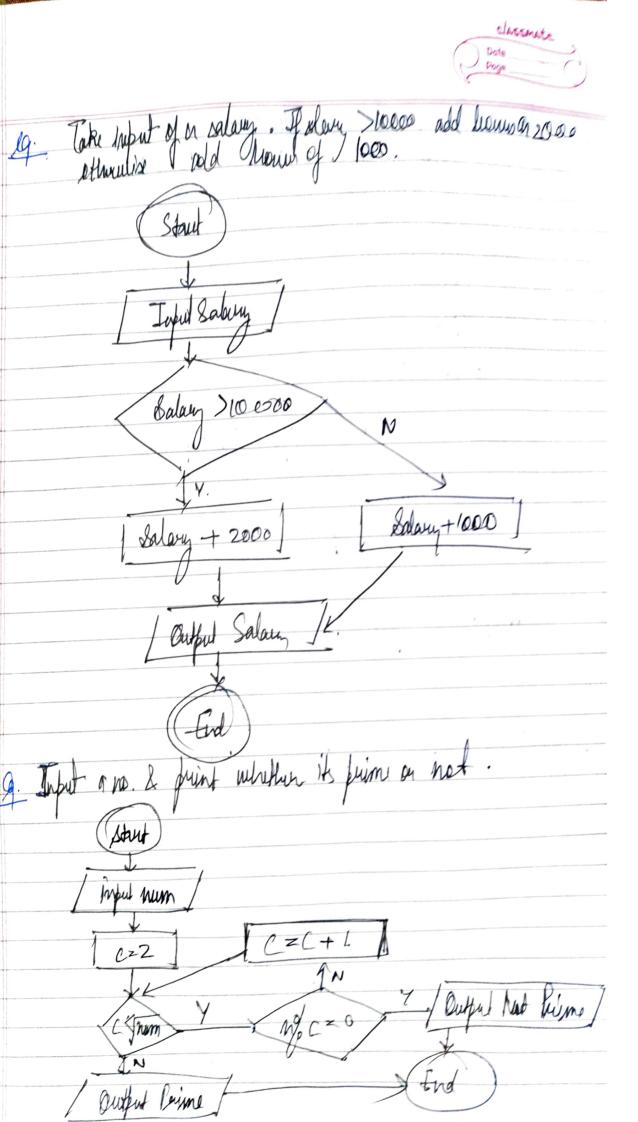
Styfele Object - Drienk Frenctions twocedina Specifies a series of well structured steps and front during to compose a program. and commands to complete a task ly gava, fythou, Ctr tung tional modify of regram only in pure functions it. hever modify of reade new ones God in situations where we have to perform for of different operations on the same set of Olyet - Degented Revolus around plija

Class is collected group of different data types. classmate Object is an instance of theat class. Code + Data = Office &.

Beveloped to make it earlier to develop, delug, nouve & maintain
Adfurance. eg. Jana, Parthon, C++. Status Vs dypounic Lougrages. Static Synamic Perform hypochocking at comple Kuloum type checking atruntimo - Lowon might not show fill Errow will show at ampile Time bewream is nun Declare datatife defore you use if. - No red to declare databy to o Lawalles - Savestime in win fing code be ment give ever at runtime Source ade - Marchine Code . - compile Turn. when this machine code is running -> runhime Nemoly Marganent pointing bourses Vauiable Ryenna X Variable

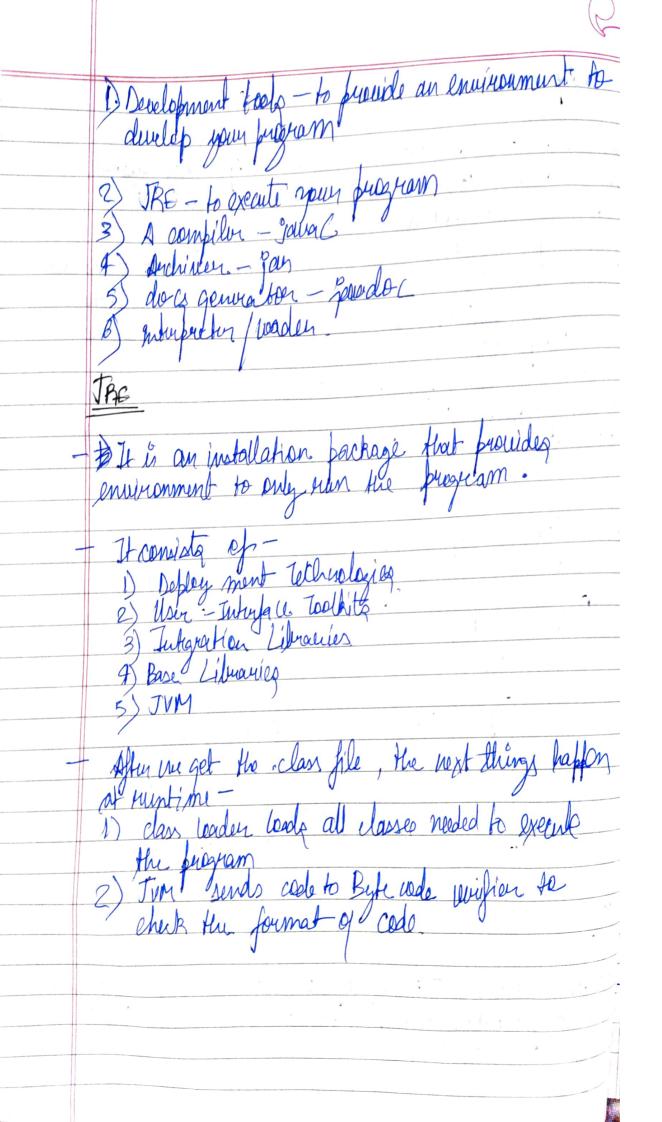
several ref. narrables can paint forwards the same Du refrauiable charges the about then the outginal diject is changed (changed gas by refinance, jule. It doesn't [1,3,5,9 a 607=99 199, 3,5,9 An diject with no jul praviable is delited by Howehout. Staut Slop the assing Condition -



Luithout auing about syntax by Trendocioale Input num C=2 while chum? end while outpert in frime " Architecture of Tang Haclin led muruch Compiler. . clas file · jansfile 'entire file) This is the source - this cade will not directly very an a system Code - We held TVM to Grun His C Paus withal machine - Rason why Towa is

Classmate Date Page

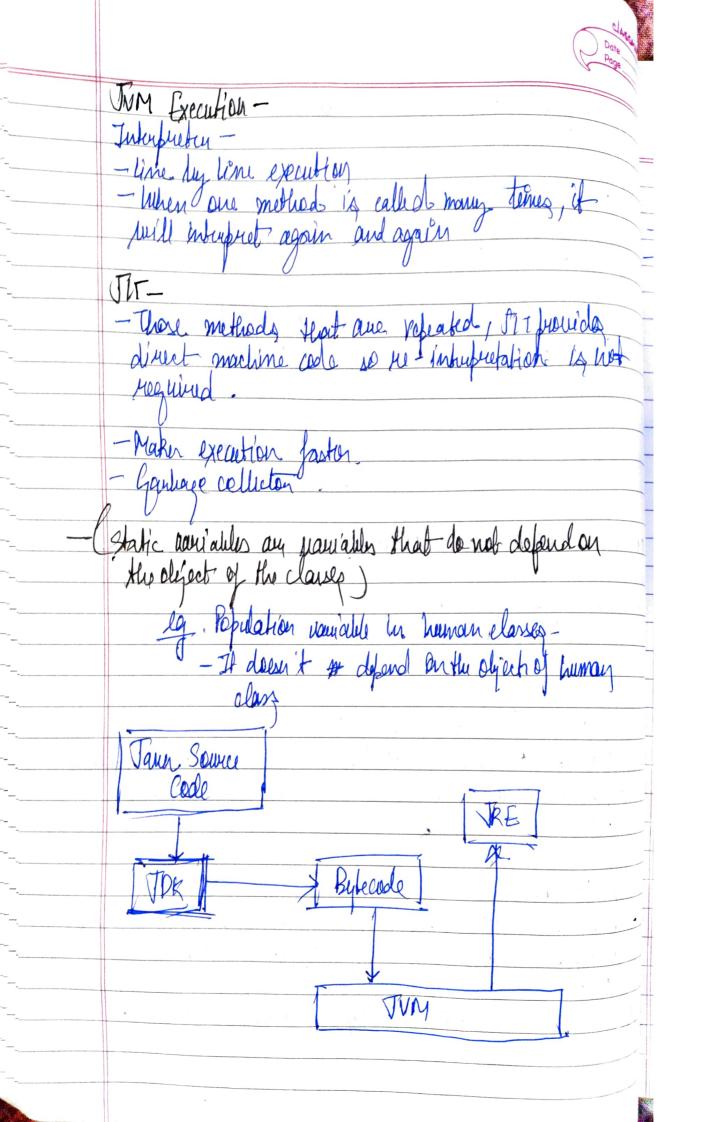
Platfour moleperdence it means that lufte code con van on all operating system - sue need to consult source code to machine code of Competer Can understand compeler helps in doing this by turning it into executable code This executable code his a set of instructions for the computor. blatform dependen In gara we get bytecode, JVM converts this to modin code. Janua is flutfordom-independent but JVM is platform dependent JOK = JRE + Development Tools Tana Development Kit) JRE = JVM + Wharm clases Claux Ryntine Guilconnent Fine Vintual Marchine (Jury TIT Tut in time. JOK provides enimenment to doublop and run the Java program. It is a package that lucludes -



classmate

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TO SECURITION OF THE PERSON OF	Confeile Time.	Runtine
	1 . gaugile.	dans Loader.
	Jamac (compilation)	Byte Code Vouisier
	lo classfile	1 Indupritur
		Runtime
		Hardware
flow June mouth Cuass loader)		
-roads. Class file & generate linary data - an object of this class is created by heap.		
Linking:		
	- Hun unifies the class file  - Allocates memory for class variables & default realized  - Replace symbolic refusences from the type neith	
	- Juitalization:	
	- All static maniables and assigned with their realuly defined in the code and static block	
	Was constitued the of the	
	) vuly	memory allocations.



Installation.

- Doules Jox. Oracle.com.

- Doublad Jox. Oracle.com.

- Loundand an IDE (Edifore [Intelly Idea)