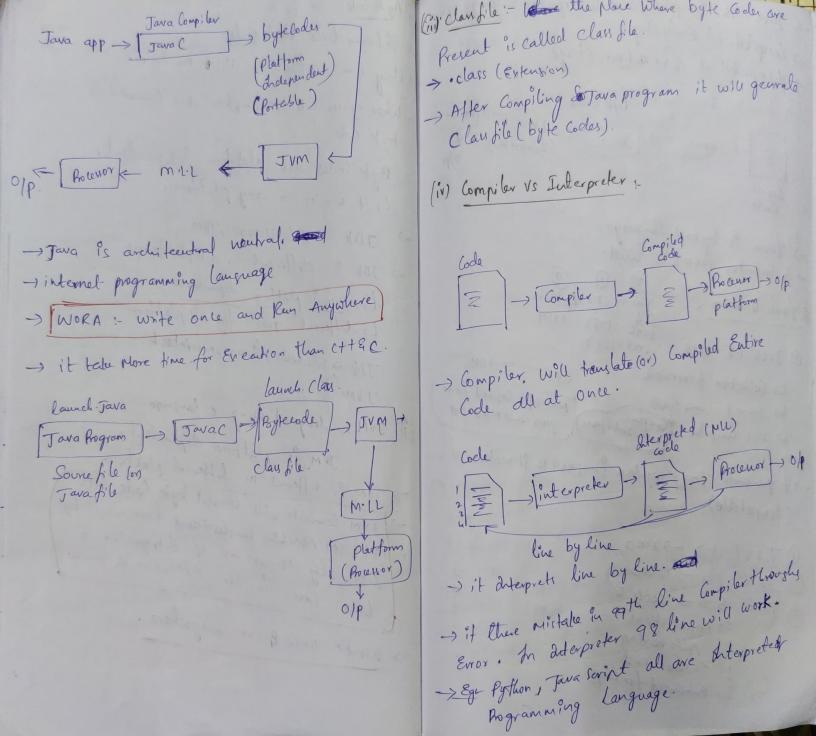
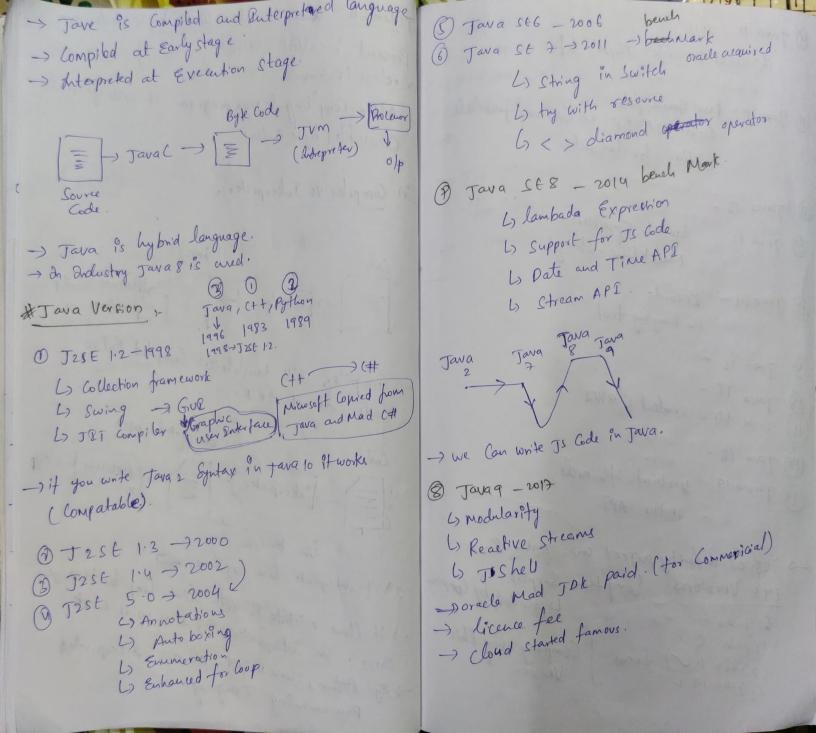
Tit is distributed and beauxe.	program (or) App
20/10/22 Portable / Platform Independency workA	Carely of Compilertion Execution Result windows windows we get
O Platform: Processor +05 -> Called platform. Note + Windows M1 ** + Mae	-> over network all Code never be transported. -> only Compiled Code will be transported. (MLL)
s/w = platform > 05 -) windows } Mac Conux	Case (windows windows windows windows windows
Delform dependency & non-portable : Surtemet downloaded compilation Mil (1000) winds	windows Linux windows Linux Windows Linux Windows liter it Excenter 2 window Li it is Compiled in windows liter it Excenter 2 window
Exercised - MIL (00100)	System only. (1) Platform dependency : 1 a programming longuage 1) Platform dependent Such a P.L Where 1) platform dependent Such a P.L Where Platform of Compilation and Matform Platform of Compilation and Matform
windows windows Linux	platform of Compilation and position of Execution has to be Same. of Execution has to be Same. Ear C & C++ platform dependent program. Sep C & C++ platform dependent program. we Cannot port it and Execute it. hence if is called non-portable.
	il is called non- Portable.

5 How sow adved independenty? How Java achived independency? Byke Code Bytecodes Javo (HLL) JVM (Guex) Tava C JVM (Mal) By te Codes MIL MIL JVM (windows) Linux Mac Windows > Java med it own compiler (on Hybrid Compiler Java Compiler (on Java () -) to make Java portable (on Independent - or dinary Compiler Converts the tome 1. directly to make Tave portable (on platform independently)
(or) works they are Tava ((or) special compiler. This Complex &will not Convert Java to M. U. rather it Converts to Byte Code.

(i) by te Code: -> Intermediate leavel code -> they are heither in H.L. Nor in M.L. - When Java Code is Complier Itis Converted to -> Byte Codes are plat-form didependent, Lit works on any Matform. -> JDK -> JRE, Javac, TVM -> JDk 95 different for all Natforms . Lo JVM is platform dependent. Ly different TVM's for all platform. JDK > Windows, linux, reacontosh. (ii) JVM :- derigned wing e language. JUM is platform dependent. > Jim is different for different platform Try Converts will Convert byte Code alto MIL (or Machine understand, language by

Internally Makes we of intropreter & takes Care further execution of Java. > Write once & run anywhere.





9 Java 10 - 2018. Lo local variable Type Infe (16) Java 11 - Run source file we can sun javalode - Var for lambda. 1 Tava 12 -13 - Switch Expression Multiline - Strings. B Java 14 - Records
- Packaging tool (1) Java 15 Java 17 - Sealed Clarks

16 java 17 - Sealed Clarks (19) Java 18 -18 Java 19 - Vistual threads - vector AP2. -> 70% of andustry project are Java 8. LTS Versions long term Support. By Company

L) Java &

L) Java |

- oracle JDK Paid Lopen source JDE (Alter). 6 Amazon Corretto. C -> oracle TDK free from Java (17) -) Jar -) Zipping of class files is Called as it stands for Java Archieve file the occord transon Elleper established Propos Rhopard burgard gay (3) prenter branch (a) field serves brokens (by broker) (a) Colline problems with get & how to

(3) Cot and Gilhub Part-1	Introduction
(3) Gift and Gifthub Part-1	- CANILLAN VERSION CONNOT SYSTEM (VCS)
Object of Vis	-) Git is a popular de la sour torrelde in 2005
O Entroduction O What is Version Control System (VCS) & types of VCS O What is Version Control System (VCS) & types of VCS O What is Version Control System (VCS)	-> Git is a popular. -> Git is a popular. -> it was created by linux Torvalds in 2005
3 Enot software hetallation	-> it was created by Junio Hamano -> it is maintained by Junio Hamano -> it is maintained by Junio
9 500	it is Maintained
19 G. + Botest Architecture	ared for
& Guit Commands (on operations.	-) it is used for - like
a company on	Gradeing bode changes like (3) Tracking who made the changes like (4) Tracking who made the changes like (5) Tracking who made the changes like (6) Tracking who made the changes like (6) Tracking who made the changes like (7) Tracking work (8) Tracking who made the changes like
6 Got Command Execution	O Talking War
@ using Commandine STS (Sprint toolswite)/	G Tracking who history dibs. Can work it bedien
a wing RDt's like Ecliphel	Collobrations.
@ using Commandline (B) using RD+1's like Eclipse (STS (Sprint toolswite)/ intelij	history files. Coding Collaborations. Coding Collaborations.
The active repository Creation	Project developer-1
101000 -	dient ces developer-4
(b) Provate U	dient developer 4
@ Gut folder structure	Clerk sps awant
(Gut Tolland	Software very
(a) Brit Bracking Strategy	Ses requirent developer for 2 - Verson 1)
1) developer branch 6) nærter branch	
a newter branch	Apperson who has
colone branch	requirement.
Televie branch B hoh's branch	
	I all of changes had usade by the
(b) fork " B) fork " Process, (pr process, (ode Review) (d) Project review process, (pr process, (ode Review) (d) Project review process, (pr process, (ode Review))	requirement Neeping track of change Made to the file by Neeping track of change Made by the Changes Made by the Changes Made by the Client requirements would be difficult Client requirements would be difficult on Machine.
Coview process (proposition)	Oto der as her would be
(10) Project 100	No.
Code Merge. With git & how to	Chew him
Code Merge. With git & how to De Real time problems with git & how to	in Mach H., Boblem We
1) Keal	T. resolve lus
1) Kear them.	client require. In Machine. To resolve this Roblem We need to are
	a yes".

It is a system that records changes Made to the file or set of file over the time, so that we can recall the splentic version later. Version will be Created. (> Typer of Version Condrol System (VCS): 3 types Meeting files (Coling Collabration @ local vcs & Centralized VCS Codisturbited VCS a local version Condol System: -) it is med to maintain the file version and retreive the files based on the Splinger Versionto person who has skeeping trade of charge Made to the file by ge Evisement the der when the charges reache by the cheet respirement would be difficult => To resolve the Robber wed to an