-> 18 housed Vertion of #DD 106 SDD.	6.50
> SSD -> Solid - Stall amile -> Considerator Chip Shortage.	9 J
19/10/22 (2) Raadmap of Course And Furadamental of	一一世
- Aprilot Session	8
Radmap Video, notes, Assignent Sat : 6pm to 8pm &ST Sat : 6pm to 8pm &ST	97
Technical discussion [3pm tolorm Mon-fri	10 -
Technical discussion 3pm to 10pm Mou-fri Chat support	000
th → fractice. → Core - java ⇒ practice it on QDE	(3) N
and the state of t	(h) /
1) Fundamentals (Basics) Every week Assignment-2 Assignment-2	Olive
① Git & Grithub y 6h ⇒ ② Git & Grithub y 6h ⇒ Aftignment-1 2 Arrignets Cops, String, Array. Module - qui3	
B) ones (Eucapsulation, poly, inte)	
(S) Ecophonal handling - Other Month	

Mosal MongoDB.

No Sal MongoDB.

Liweld

JDBC - 3 days)

HTML & CSS

- HTML & CSS

HTML & C.S.S. Paled Loself Paled

(B) Jft (Servelets &JSP)

Gaweek/(15)Min

Max

@ Tavascript + React is

(1) Spring Core
(1) Spring Boot, JPA, REST
(1) Docker, Kubernetes.

(3) M Pans orvies.
Aws

(Agile & Scrum 63 RoTects.

Olive Claus | Recording

19/10/22 -> 1996 -> they redeated Tavalio -> oak. Java 1980's 1980's 4) It is platform Independent and → Bell (abo (C & C++) Portable. Lo before Java there P.1 Ly; t is architecture neutral. (or Sternet Programming Cangnage Ly now its TarboC (object or cinted . 1 Tava Introduced in 1991 -> Naming this programming language. 4) Sun Microsystem-Company. C) Oak , Green team, 11 Meuber Atphabel ... La James hosting Standford uni varly Ly coffee planter island located on fing Ent, Indonesia. >Java -> Eary to understand?

-> Object oriented WORA

-> Portable | Platform -> platform Lolependent -de 2011 - oracle acquired lan Magrosystem. -> c 2 C++ program are (not portable and Mot form dependent. -> Java=> 1995 - garate > -> 2 1995 -> Rogram is readly Java 1.0 -> 1996. L) Alpha & Beta Version -> lit is object orcinted.

Plat form Independent Ly open source & g & contribute

Ly open source & g & contribute

Ly open hosting. Postable - Internet Programming language.

- it is distributed and because.	-) Program (on Application (on) software refers Some.
20/10/22	CareOr Dull Dull
Portable / Platform independency workA	Plat form of Compilertion Execution Result windows windows we get
1 Platform: Processor +05 -> Called platform.	-> over network out Code never be transported.
intel + Windows M1 ** + Mae	-) over network all code will be transported. -) only Compiled Gode will be transported. (MLL)
M	
jutel + linux	Case (planpilation Execution Result.
S/w =) platform > 05 -> windows } mol Grux	windows Windows revolu
Comix	A HUNOUS
Delform dependency & non-portable :-	
downloaded som nop in	Mal is always platform dependent. Lifit is Compiled in windows then it Executes 2 windows Custem only.
isto (Application) mel mll(1000)	Lifit is Compiled in windows
Compile Compile	System only.
Carpite C (Application) Campile MIL (00160)	roof platform dependency L if a programming language
windows windows X no but when	platform dependent Such a Pil Where is platform dependent Such a pil Where Compilation and Matform
windows windows X no bushed	aletorm of
A old No graphy	plat form of Compilar or Same. of Execution has to be Same. Program.
	of Execution has to be Same. Of Execution has to be Same. Since a c++ platform dependent program. Since a c++ platform dependent program.
of the second hard on	→ we Cannot Post it and Execute it. hence it is called non-Portable.
	if is called non-rolled

Lo stow your advand budgered daying? How Java achived independency? Shernet Byte Code Bytecodes Java (HLL) JVM (Guess) TavaC DYM (Mar) Byte Codes MLL MIL TIM(windows) Windows Mal Linux. > Java med it own compiler Con Hybrid Compiler -> Java Compiler (on Java C) -> to make Java portable (on Independent - or dinary Compiler Converte till to millodiractly. - to make Tare portable (on platform anderendenty) (on works They are Tara ((or) Special Compiler. -This Complex & will not Convert Java to M. UL rather it Converts to Byte Code.

- (i) by te Code: -> Intermediate level code -> they are heither in Hill nor in Mil. -> When Java Gode is Complier Itis Converted to -> Byte Codes are Nat-form Independent, 4 it worles on any Natform. byte Code. -) JDK -> JRE, Javac, JVM -> JDk % 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 -> Jum Courses will Convert byte Code anto Mil (or) Maeline understand, language by
 - Internally Malcer we of intropreter & takes Care further execution of Java.
 - -> Write once & run anywhere.

(ii) clanfile: le the place Where byte Goder are Java Compiler byte Codes

Java app -> Java C platform

[platform Present "is called class file. (platform deut) > · class (Extension) -> After Compiling SoTava program it will genrale Claufile (byte Codes). (Portable) Olp. Bolework Mill (JVM) (iv) Compiler Vs Interpreter ; Congiled
Congiled
Code

Compiler -> [Forener] > 0/p.

patform -) Java is architecutral neutralis -) internet-programming language -> [WORA: write once and Run Anywhere] -> Compiler will translate (or) Compiled Entire
Code all at once.

Code

Code

Code

Code

Code -> it take More time for Execution than C++&C. Laurch. Java

Java Rogram > Java C > Byterode > JVM >

Source file (or)

Java file 2 2 Interpreter > 2 Protenor > 0/p [M·LL] line by line

of differents line by line. (Prounor) -> it there mistale in 97th line Corp; ler through,
Error. In aderpreter 98 lone will work. 0/6 > Egr Python, Twa script all are Interpreted Programming Language.

CapsLock 1 1 0 1000 toped anguage	
> Jave is Compiled and Interpretared language > Lompiled at Early stage > Lompiled at Evention Stage.	Tava st6 - 2006 hench Tava st 7 - 2011 - best wark Tava st 7 - 2
Campiled at Early Stage	(a) Tava St 7 -> 2011 -) been Mark grade acquired
-> Compiled at Execution stage. -> Interpreted at Execution stage.	
-) Interpret	L. Les ource
Byk Code Jum > Processor (Indepresent of p	L) try with resource Co < > diamond aperator operator. Mark.
The state of the s	(2 < > diamonal
average of	Java SE8 - 2014 bench Mark.
Course () ()	@ Java St8 - 2014
Code.	6) Java Lambada Expression
→ Java is hybrid language. → an ardustry Java 8 is ared.	
- Java is grandic and.	Ly Date and Time API
-> dr. ardustry Java	Ly Pare
12 Tana Version - Tava, C++, Python	Ly Stream
1996 1989	Tova Tova
① J25 E 1.2-1998 1989 (1 1256) 1256 12.	Java Java Java Java
6) J25E 12 (# Collection framework C++ (chred from the transcott Copyred from	2
12 Swing - Gul Mike soft Copyed from	/ / boleson
12 TO I Compiler Graphic Java and Mad CT	Gde in Java.
Lo Collection framework (47 Lo Swing - Gul Microsoft Copied from Lo Jara and Mad C# Lo Jara Compiler Copied from Java and Mad C#	-> we can write Js Code in Java.
-) if you write Java 2 Syntax i'n tava 10 it works	8 Jakg - 2017
(Compatable).	() Javity
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① J2St 1.3 →2000	L) Reactive Streams (5) Ji Shell De paid (tor Commercial) Doracle Mad Jok paid (tor Commercial) Dicence fee Lamous.
	G JIShey TOK paid !!
(3) Jest 5.0 -> 2004 (3) Test 5.0 -> 2004 (4) Annotations	- Doracle Mad J
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La change for Gop.	The state of the s
C) Envents	

_ ovale JDk Paid 1 Java 10 -2018. Lopen source JDK (Alter). Lo tocal Variable Type Infe Wanazon Corretto. (16) Java 11 - Run source file un can run javalode -) oracle tok free from Java (17) -> Var for lambda. -> Jar -> Zipping of -class files is Called as sit stands for Java Archieve file 10 Tava 12 -19 Java 13 - Switch Expression Multiline - Strings. the second breaker B Java 14 - Records
- Packaging tool Eloste Moston Conton of the season (y) Java 15 and folder tackers B Java 16 -16 Java 17 - Scaled clarks Abopet langues go O docaper breach (18) Java 18 -18 Java 19 - Vistual Ahreads - Vector AP2. Dychers branch a hope breeze -> 70% of andustry project are Java 8. or fork is of the see of the rest (be becast for LTS Versions Cong term Support. By Company

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Version. Cot may problem with pt & low to