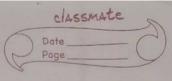
[-1+ 1] + 1.0 + 1.1 + 1.0 + 1.2 classmate Gemini Sunfoundry - Assignment -1 - 63 03/09/29 \* A short history of Java -Java was tirst developed by in 1991 by team of engineers at son microsystem. This browsen had unique abliff - Java was developed by sun microsystems, - Green Project - it was internal project at sun microgystems, aimed at tinding new opportunities in the consumers electronics inclustry. - Java was originally oreated as apart ob this project to run on this devices. - Green Team -[James Grosling, Patrick Naughton, Mike sherida "Feether of Java" nother of 1000 thousand Company, acquired sun \* The original language named Oak, was later rename to java in 1995 The name java was inspired by Java Cobbee.

\* The "\*7" Device (1992) = In 19992 the team developing java created of device called "+7" to show how their new teannology could work in smort gadgets. + failure of "+7" - Time - warmen declined to use java for their set-top bones t video - on-demand somice.

21-01+11+01+11 \* Breakthrough with the web (1999) -\* A short history of Tavol In 19994, java gained significant attention when team developed a web browser Called webRunners nine to most This browser had unique ability to myn applets, +) [applets - is a small Java Progreim], that could be embedded in web pages 4 run directly within the browson. It was major breatthwigh. at son introgreteris aimed at \* First public Implimentation - Java 1.0 in 3PPIONAUMERE RIENTONICE INCLUSION. Java 1.0 was the tirst official version of java made available to the public in 1996 In 2010, osacle Corporation, a major software thandware Company, acquired sun The original language nemetaraboroim was later actionne to java in 1995 \* 5/09an -> "write once, Run Anywhere". java's slogan highlights its most powerful features > Platform independen It means Java program un et ene platterm (like windows) it can run on any other platform (like linux or macos) without needing modification, as long as platform has Jum installed siving bands on sic

classmate



\* Java Virtual Machine [JVm] unen ver unite code, it gets compiled
into bytecode, which the jum can interpret
4 execute on any device tos.
This makes jover platform-independent

\* Automatic memory management-Java handles process memon m autometicity frough process called garbage Collection. Jana EE - Extended vension at Jana SE, with additional libraries 4 brameworks a designed for duiloing Large scale, web -based application + southers, John John Jan 1981, Jan mil used for pereloping a enterprise land applications out as online banking systems, e-commerce platforms lange - scale web services. 3) Java ME (mimo Edition] A version of idual designed to mobile 4 embedded devices with mital used for - Developing apply for Smantphones, tablete toinallapphianes like 207 olevices.

\* Java Editions - on boutov 1940 x

1) Java Sto [standard Relition] = 1910

The Core version of java that includes
the basic libraties of tools needed
bor general-purpose programming,
comprents Java apple programming Interface (APII & Jum)

Command line tools, small to medium - sized applications.

- Jang EE Extended version of Jang

  SE, with additional librareies of

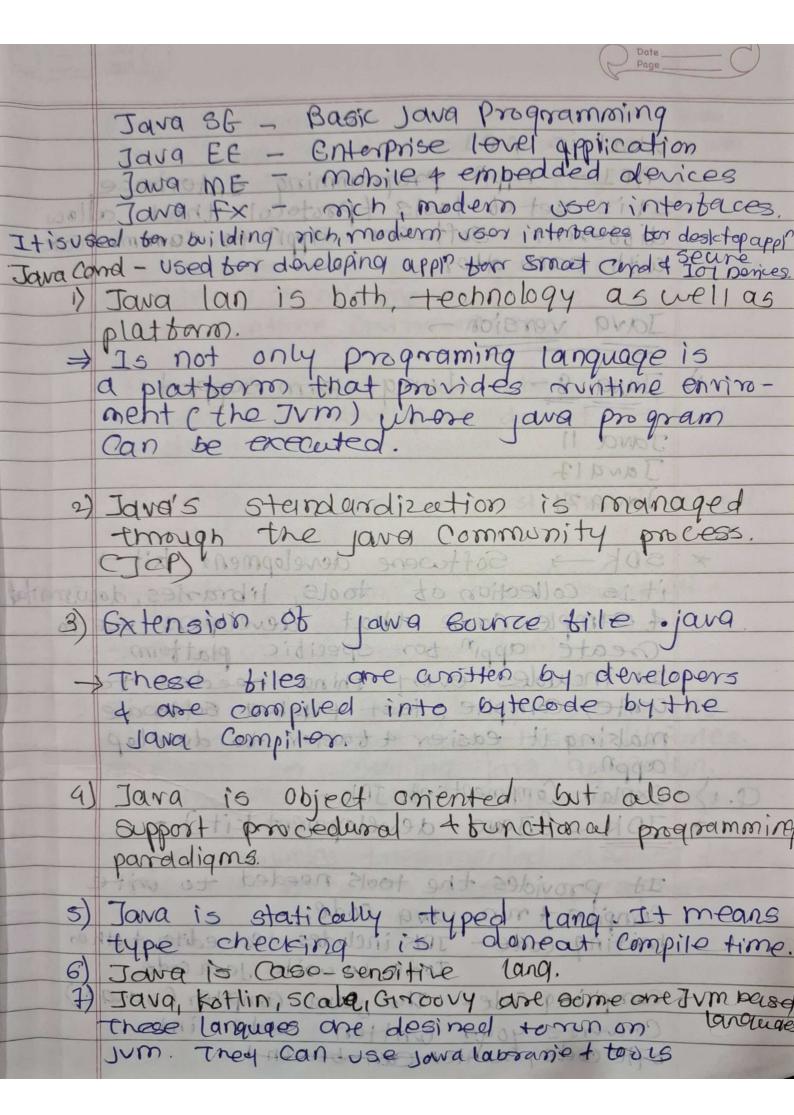
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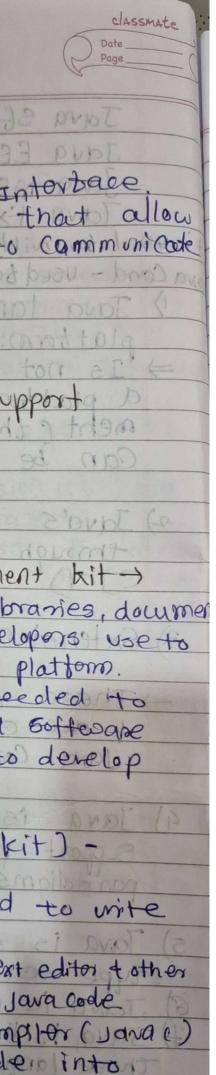
  large-scale, web-based application

  components services, JSP, Filter, JPP, JTA, JMS, EJB, JSf, Java mail

  Used for Developing enterprise-level
  - 9) used for Developing enterprise-level applications such as online banking systems, e-commerce platforms + large-scale ulb sentees.
  - 3) Java ME (micro Edition)
    A version of java designed for
    mobile 4 embedded devices with limita
    resources

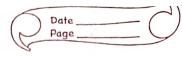
Smartphones, tablets 4 smallappliances
like 207 devices.





Java St - Basic Java Programming What is API -API - Apply programming Interbace It is set of tools of protocol that allow dibbosent software appr to communicate with each otheriges principles to be beau - brown Java version -"Is not only pregraming ton al" Java 8 - Lung term support ment (the grant) where land the wo Can be executed. Jana 17 a Java 21; corpositono parota a sorpt (e though the large commen \* SOK -> Software development kit -> it is collection of tools, libraries, downer & sample code that developers use to Greate appir ter specitic platform. It includes every thing needed to conte, compile, test + debug softesare making it easier 4 tastor to develop appn. Explain Components of JOK JDK - CJana development kit) -It provides the tooks needed to write Compile + run jang lode:
Writing code - JOK includes text editor + other tools to write java code LAW ERTRY Compiling Code- The Java Compler (Java e) Converts your untten code into

byte code, which can bearn



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