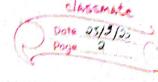
classmate eginner Date 25/5/22 Page 1 Modern Java: The Big Picture > What is Java all about Course 1 Programming Language - Runtime environment Java Standard library These 3 parts of java platform are bundled together as Java Development kit, or JDK in short How Java runs? Compiles Application Third Application Byte code party Source code libraries Program ming Standard Edition APIS JOK Java Virtual Machine Runtime environment Operating System Hardware Compiler Hello java Javac Hello. class (Bytecode)



· Principles of Java:

a) Portability

Byte coole well be sime for all OS just need to change SVM

- Easy to read & understand cale helps in beller collaboration
- · Jova Usecases >
 - a) Desktop Apps:-Some Gill toolkits in Java
 - 1) AWT (Abstract windowing Toolkit)
 - a) Swing
 - 3) Java FX (advanced, have animations too)
 - b) Enterprise Java (Java Et [enterprise edition])
 - · Java EE is set of API specifications graved
 - towards enterprise application
 - So that we don't need hundreds of enternal APIS
 - 1) WildFly (Red Hat) 2) WebSphere (IBM)
 - 3) Weblogic (oracle)
 - 4) Tomcat (Apache)



Contract Con	The state of the s
C)	Java in Cloud:
	· web applications in cloud
	· done by building microservices
	So need Microframeworks like Spring Boot,
	microProfile, Vod.x, Play Framework
	, 0
d)	Mobile App development
	· Android apps in Java
-	
0	Java Development hitecycle
	- Code
	Static Birld
	Analysis
	T
	Test .
	TOFIS
	IDE'S 3rtegrated Development Environment
	1) Edipse
	2) Intelli J
	I ITCUIO

