AVAT

Installation:

Java dourtoadi seach > orcecle Java dourtoudi > JOK21 > windo ur's > 64x bit Installer

SET PATH:

program file-> Java -> JDK21 -> bin -> Path copy)

(mindows such bour)

env -> envisionment variables -> New ->

nam: Java-borne 3 -> ox -> down af PATH

push: path copy;

CMD:

Jana -version

IDE jan Java:

eclipse doursoad -> eclipse IDE for Java Developers -> create a new Java Project

FLOW OF JAVA:

Project -> package -> class.

Now Perojed > Mks > 321 -> uncheur Module -> Finish Package.

Soc > New -> Partage -> rane -> wicher -> Finish

bais > New -> class -> N'empgm -> public Et > Finish

Project and closs -> First name should start-with Capital Low lead PL -> Machine Langer Assing Infam ation public static void main (Hruing [1 augs) { - Machin Acuquage System out println ("menu k shibu") Him by line coole week High Lewy PL > Java, C#, Python -> high boul Pergn lange (English + Machin greaderly convert the meutine Longuage Assumbly Language -> Hyman neadable public claw Newphogening & Package -> not moundatory (compiler grammatice - rompile rode packogus basias Arembury / Executable perogenan convert 7.W-SYNTAX:

Foundly af Java - Journes obling Application - mobile, week Latur Yourier - \$ 33 new norm - 1 Java Flustrana -> Dak

What is Java.

(21 ans we can word payer) ODP (object) class base (c

concurrent puograming honguage (muliple Enew)

Java Feedware:

Blayple:

· plat found on inted

· C++ Lowble topic we have avoided have

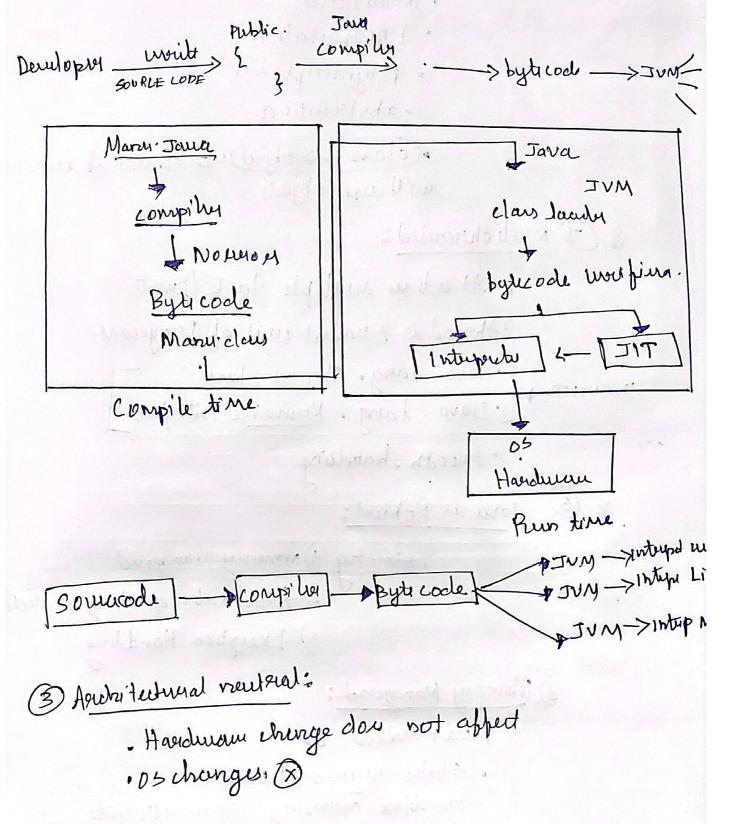
* (2) Platfay M Independ:

· would once sum anywhere (05)

JDK - bendoput fit. JVM - Virtual madeine why? - TRE - Runtin Envis

22/21/20. JOK- + Must be westanted JRE to Installed with IDK only for Pri IND > 1 mstalled with I DK that I ava playfourn independent + play form in dependent to be aunal -1. By defound abreachy Installed

INTERAL WORKing of Some coole's



4 Portable:

· Java byte code to any platform without changes.

(3) Secret .

· JUM Byticodes usuifice is responsible for Wuyfing Byticode

& (6) Java is object orwanted Pgm: · Inhou fance Encaparlation · tolymomphism · abstruction · class -> objectuse of method ann y will use objects * (3) Mudithreaded: . At a time mutiple task | Events Heread is smallert writ of Proyecom. INBUILT Java. lang. Thread clars:
Java. lang. Rennable Interpare · smooth hardling & (8) Java is Robust: . sterong 1) menery managent 2) Automatic gautage collector 3) Exerption Handling 1) Memory Managurd: , Main method I · Static Keymorid uses · one time memory space allocate · fan static Extern object cquate No. spare force we will use static 2) Automatic gauhage collection: · Ind a , but not using in Pgus. · unued variable space Remon by Automatic

3) Exception Houndling: · MD Expected condition Jourous 6th line Execuption 6th line it would Execute · Aquishmetic Exception · Path Exuption · we need to handle. that (9) Janua is distributed Programing Language. · Mob melo Applications, bank equate -RMI EJB (10) High Purjan Manu: · somecode -> byticocle Explain code: · System (Inbuit clay) · out - Bubilous print stream print streum object called as 'out' · pavotla -> inside prointstream subclaires Method in Printstreum dass out method is called as Println (.) -> operators dot for connection prierres. COOCOT FOR painting: · print la print also me can me privation - print of row line curson print - suit get pouint of aucross word mone to reset line paint In - now line

Progeram structures

Aum mode for -> public, private

Main method ->

clausement -> public claus claus name {

main method -> public static void main (strving augus)

System. out. privatin ("Thello" word"),

}

CMD:

als amusclations? or landow!

Javac name project -> compile Java name project -> Run

c) au rame and Program name must be same