28/10/20 Class Identifiers, Reserved Keyword, Data -types in JAVA: Today's topic of discassion O oops (basic introduction) @ identifiers /Variables a rules to write an identifier. 3) Reserved Words. a Data types and its chart. 1) Object orientation Rinciples: (opps) > it Istands for object oreintation principles. Object -> real time instance -> Every object in realtime Will have 2 parts. 1) what i't has? 1) what i't does. a what it does? Egr Car: @ what it has? more ace clerate brandingme no of wheels brake. model Speed

Java Code object representation Java Code object representation to Express object we are class. Class Car // Has part af an object is represented as a // Has part of an object is represented as I tring brand Name String brand Name; int noof wheels int no of wheels, String model 11 Does part of an object is represented as 11 Does post of an object is represented Etwoogh Methods. -> terminate statements with Somi Colon; Public Void move () 11 logic of Moving a Veelide Public Void accelerate () Morgic of authorating a Vehicle 3 and and some and some also Cambrill

Object - what we see physically. @ Mainte de l'dentificer :-29/10/22 > identifier i's a name in Java program -) it can be a class name, method name, Vaniable name 5-6 Student Jobject Class Strolent and lable name. & Class Main test // Has part (Variables) Public Static Void main (string[] args) _Has Port Shing name; int x = 10; float height; (2) Reles for sorting as industries 11 Does part (methods) Public Void study) } -> String is Clay in Java. The Many 11 logic of studying. - does part Stotally 5 Polentifiers Class name varioties The Class Test & polentifiers Public Void playing() { Public static Void main (shing [] args) [

Nethod 3 11 logic of playing. System.out-printly ("Sachen"); class & method. (1) object - object & a member (also (alled as Variable of System (ass) instance) of a Java class. Each object has an -> totally of identifiers. identity, abehavior and a state. -> the state of a object is stored in fields (variable) -> whole (nethods (functions) dis play is the 145 g M. 108 objets behavior.

Rule (3) r identifiers are not allowed to start Class Demo 2 5 with digite. Public Static Void main (String[] args){ Equ() int telusko1 = 100; (valid) String name = 1 Sachin'; int Itelusko = 100; (invalid) X Rule 9: Java identifiers are Can sentitive. String result = name to upper (are 1) System.out. Println(result), 1 Class Demol int number = 10; all these Variable int Number = 20; are different. int number = 30; (2.) Rules for writing an industifier int NUMBER = 40; 6 wirt to (jum + lompiler). Rule 5: there is no length limit on java identifiers (i) Rule 1: The only allowed characters in javo but still it is a good practice to keep the length of the identifier, no more than is character, identifies are ato 2, Ato 2, 10 to 9, 80 int Priority of thread with Min value = 1; Rule 2 > if we are any othe Characters of would result and in valid for in Complete fine Error. - Symbol 'f' and -. int 1x = 10; httatal (2nolid) X int total = 10; (valid) Egro jut \$a=10; int total# = 10; (invalid) X (2) int -a = 10; -> & 1 of , While , for , the , string , try Catch int telucko 1 = 100; (Valid) v throw anexts. Red Internation

-> there are identifier which & are have (2.2) Keserved words Special Meaning associated with Compilera JVM. Con it is a built in words/ lieg words Which has already a predefined meaning to it. -> they are Reserved for some Meaning. Egs of, whole, for, Ele, String, ty, Catch throw, throws, agreet, true, false, true - they are Bre defined for Compiler and JVM. Rule 6> we can't me reverved words as a Egz out of =10; time Emor Rule 9 1- Predefined Class names Can be used a identifiers. String -> class name Runnable > interface (anbuit) student -> wer defined (lass name Egel int string =10; System. Out printle (10);

Eg 0 -String Runnable = " Sachin"; System. oud : print (n (Runnable); Note - Evethough predefined Class names Can be wed as an identifiers, it is not a good Baltise to Keep. sif and I f different. Reserved word. soorp (int); X L) Reversed word. Lo Compile time Emr. Reserved words (53) Reserved literals(3) strue > Values for (cegword (50) - False & boolean data types med key words (us) L>hull -> default Value for unuad (2) o eference Lagoto La const

- Any Constant value. which can be ansigned 113e ED-int data = 10 // tovarable is Called literal L) literal - Variable l'identifier - datatype / Reserved words. -> Any Constant Value. Which can be assigned to Variable is Called Literal. Reserved literals (3) 1) false] -> Value of boolean data types (3) rull -> default Value for object reference Ly then liferal is associated Egr Oboolean result = true; with boolean Variable Oboolean flag = false; 3 boolean Exam Result = True; Joshur different for JVM

(1) boolean Exam Result = true; for JVM

(3) boolean Exam Result = true; for JVM

(4) boolean flag = 0; Ly (hoolean likevals)

-> herec++ o-> false 120 true

-) on Java 'O - mean Seno

Note + for bookand data types the only
Values allowed for a variable is "true" &

"falv", other than this if we try to

"falv", other than this if we try to

teep any Values it would result in

teep any Values it would result in