

```
1. deta you declaration
 a) some ones
  Class Same doblype {
      public static void moin (string orgs[])?
             intage = 15;
         long int roll no = 202101023;
         long int mobile = 05010;
          Lystem. out. println ("age = "+ toge);
     Oxystim. out. pinth(" 2011 no = " + 2011no); ]]
 Class diff dt. §
     public static Void main (string args[]) {
           float a = 2.672;
         double d = 4.6727.21
       ... long L = 46721;
            String & = M. Ashwin";
             short SI = 56;
```

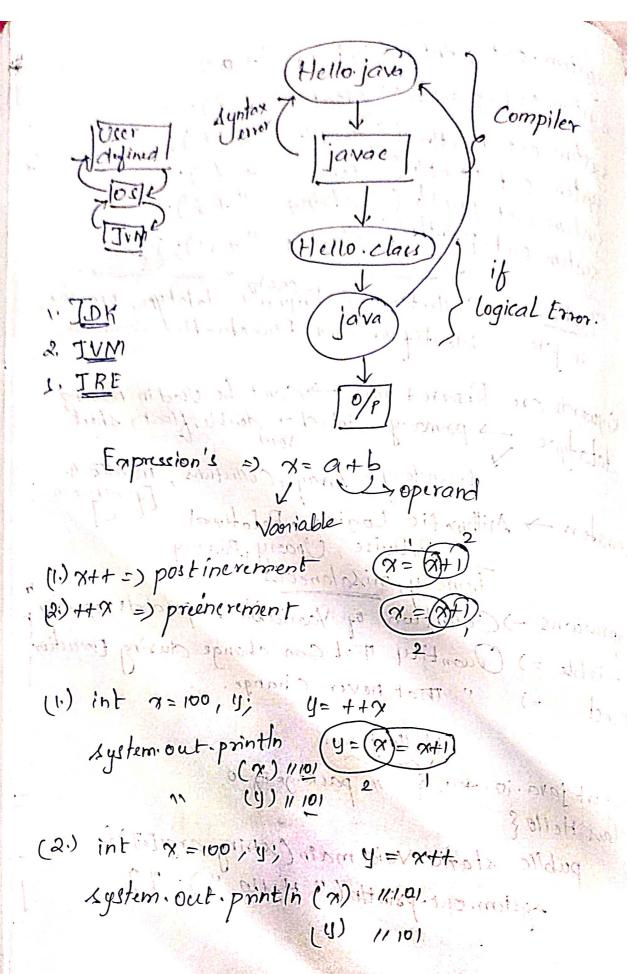
system out println ("integer = "+ in); system out printin ("float = " + a); system. out Println ("double = "+d);

system. out Println ("long = "+ L);

system. out Println ("String = ": system out println (" string = " system out pointhic "short = "+s1);

system out pointhic "short = "+s1);

1 Token's -> Collection of Keywird, do latype, operator, in jara. identifier and Punctuation symbols. Keywords are Reserved ones -> Can't be Used in naming -> primary = int, char, double, float, short suondary = Array, Collections, meathods. operators -> Arithmetic, Logical, Relational
Bitaise, Unary, Binary
Tornery, Imisalaneous Enprusions => Collution of Variables, operands, operator Variable =) Quantity that can change during Executions 11 That never change. const Hello java. atmg toon import java. io. * ; § 11 package of 10 class Hello ? public static Void main (string args[]) { System. out-println (" Hello "): 33



class Avg & public Static Void main (string orge []) } int x #= weet of to the epinhers inch Fratures in OOPS · classes, Object, abstraction, binding, encapsulation Inheritence and polymorphism Aclas is collection of similar obj. @ all tangable things are obj > real time entity (4) both Class & Obi obj tintstance of a class clas name Grame

affinbutes Gid.

perations. State datad meathor. Comea thods. A Varin class il instance Variable. Gacesid by meethod's. Minor elements by they are static orginal. Var l'Abstraction (Hidden) Gexpressed in higher & lower lexel. Sait of Representing essential chareteristics without background detail and differs

on The Viewer. (person to person)

2. Encaptalation -> 0 method which occus a private class Var or function Oprocess of wrapping apop data in the real world 3. Binding: process of associating a meathod by Creating a Object and then call That meathod to do the operations is it > Code Reusabilites Inheritence: Inhen we have more Than one close and procus of desiving the ferom One claus to another, class 1 = super claus Class 2 = desired in (one many =) Hierarchycal one one Dis Single one one one multi level many to one = multiple | java Using (as any of assess) (reweith mission Con

polymorphism: greek word (1) the ability to take many forms. Static & dynamic - runtime process ((120.0 prist)) most blok process obstrait clas in proises ((oreraiding) (mealbod Some for with Coperator oveloading) isteriout prinite (" ander ar no: "); Same Prototype int no . se . next Tate): Java program = (1 01) 19 Mostellotalostalineg. 100 miters public class Hello world & public static void main (etting args[]) { System. out print In (" Hello World"); of Point Number in Wood [String (nected-it 27 Check Paus or Fail Veing (it-else) impost java . util . Scanner; l'au . wif mort 7,50 i public claus Paus on fait (in ol wal) sild paus public static void main il ducke In:1 Manual Public Static Void main (String [] args) { (system.in); : Osystemout point In ("entireur mark: "); }(P) intumork = sc. next Int (); if (marks)=50) { system.out. println(" Paused..."); else { systemout println ("failed");}

8] check odd or Even Using (it-else) import java. util. Sconner" public Class odd or Even ! public state Vord main (String args[]), Scanner Sc = new . Scanner (System. in Systemout println ("enter ur no: "); int no - sc. next Int (); 10 (no 1/2 = 150) \$15 System. out point/n (itis even." 3 ([] 2 pm pristystem out printing of the sildua 345tem. Out. Paraille (" Hello Wookd"); 1) Print Number in Word Osing (nexted-it and switch) ou import java util Scanner, public Class No in Word ? public Static Void main (string orgis[1) {

public Claus No in Word & main (string orgs[7]) {

public Static Void main (string orgs[7]) {

Quantity: Resture out println ("enter ur no (14)

("intermity: Resture out println ("enter ur no (14)

("entermity: Resture out println ("enter ur no (14)

("e

of Chum > 1 + 4 hum < 9){

systems out pointh(" Paus et..."):

```
switch {hum)}
              Casel:
                 system out printh ("one"); break;
             Case 2:
                 system. out printh ("Two"); break;
             Case 3:
                system out println (" thru"); break;
             Case 4:
                Aystem. out . println (" Four"); break;
              Case 5.
                 System. out. println ("Fire"); breaks
              Case 6:
                 Lystem. Out-println ("six"); break;
             Case 7:
                 syctem · out · println ("Seven"); break;
              Case 8:
                  System out . println ("Seven"); breat;
                   egetern out. printin ("Nine"); break;
             Case 9:
                 System. Out 'println (" Invalid num");
             default :
         Lystem out-println ("Num Out of Range (1-9)");
          3311
5] Day Printing Ving Numbers.
```