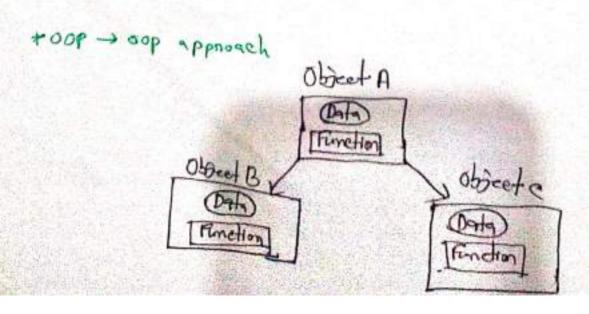
- uncontrolled modification
- + protern of enhancement & maintainability
- + code Pensibility

## + major characteristic:

- > more emphasis is on doing things.
- > 9t 0 barred on the problem at hand.
- -> used global variable that lead following problem.

the later

- -> It will produce software difficult to maintain
- > The risk of immonted accurac & modification
- > gf will not result in reusable software.
- > It employs top down approach in program design
- -> Works well in small system.



Oop: - Object onivented programming is a programming paradigm in which program are organization around data on object rather than function & lagre.

melinia goz

- Doop returns to type of computer programming in which programmer define not only the data structure but also the types of operation that can be applied to the data structure.
- > The data structure becomes an object that include both data & function.
- > programery can execute relationship between object
- > object can inherit the characteristics from other object.

Oop advantages -> code remability -> data redundancy -) code mantanage -> security is to set it appetant goo -> Pesign benefit of while commenced deaths in > polymorphism flexibility. all of hallon at the \* Busic feature of oop! The date structure has -> object restant 2 state Alect about 1 > Inhoritance > Encepsulation > polymorphom > Abstanction. comment con the of the salarido rado

5 \* Object :--> Object is an instance of clay -> The object is an entity which has state & belankur. -> Object has state & belaviour. State: - represent data (value) of object i.e; blance.
belaviour: - Represent functionality of an object.
i.e; deposit - withdraw. States (probably) of house Example: state - colon, broad, size beloviour - writing went stans software development: behaviour: nethod function. Trabella Stella

Charles come things below

than phalasic

- -> A class is a blueprint/prototype from which object are excepted.
- -> A class is a bluepnint, idea & prototype for creating object.
- -> A class is a group of object which have common properties.

Example: - sketch (prototype) of house

- > 9+ contains out details about floor door, windows etc.
- > Based on this description, we can create house.
- > Hose house is the object.

class student of string name; int ID; intage;

Object: 
class name Object 1 = new student().

object 1 name = "Rohlm";

object 1 · 10 = 50;

object 1 · 9ge = 20;

### Encapsulation :-

- > The wrapping up of a data & function into a single unit is called encapsulation.
  - > The data is not accessible outside the class.

Abelowation - Defines the representation of essential features without including background Letails on explanation.

Inhitance: Refers to a process in which object of one class accordines the property of mother class.

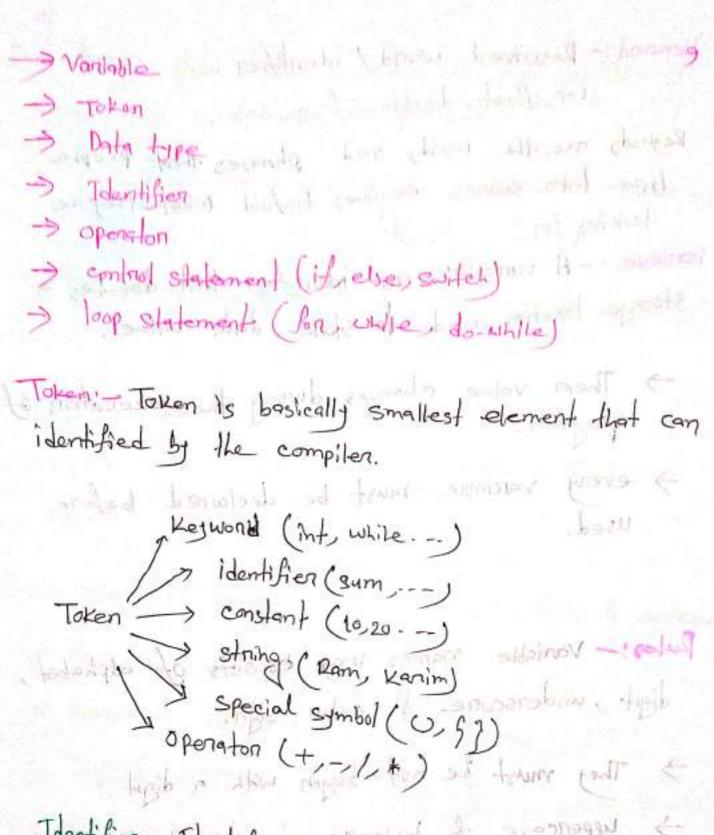
than one form.

Down How to program Deitel & Deitel

The complete retrience Java - H. schilt.

Java!-Basic feature of Java/proportion. -> Object oniented -> compiled & interpreted. -> platform Independent -> Distributed. > High performance -> simple & familian. > multiply coding ( Other Older Dels city of the to tastile later of grane Application: -> mobile Application > desktop in (swing Awt, JavaFie) > Web based " (JEE; servetlet J3P -- ) -> scientific u > gaming " + cloud based Application

> Business Application (Banking software)



Identifier :- Identifier is a sequence of character.

> Identifier are programmer designed token.

> Identifier used for naming class, method,
variable, object, package.

Keyword: - Reserved word / identifier.

Int Anot double if switch.

Keywods are the words and phrases that people fire Into search engines to And what they're looking for.

vaniable - A vaniable is an identifier that denotes a storage location used to stone data value.

- > Their value changes during the execution of apring nam.
  - weed.

Pulos: Vaniable names may consists of alphabet, digit, underscore & colon sign.

- -> They must be not begin with a digit.
- -> uppercase of lowercase one distinct.
- -> 9t Should not be Kegwond.
- -> quit space not allowed.
- -> variable home can be any length.

- > premitive data type ( "integer, character Boolean
- > Non premitive data type (class, interface array)

Operator : - An operator is a symbol that tells the computer to perform contain mathematical on Togical operation. Interest of the

- > used in program to manipulate data & variable
- -> Anithmatic operation (+1-1/\*) and or matheway all 100
- > Relational operator (== /= > < >= /= > < >= /= )
- > bolical operation ( 38, 11, 1) 10 & small sell +
- -> Assignment operation (=, +=,-=, \*= ---)
- > Intrement / decrement operation (++, --)

- -> Bitwise operation ( g, 1) -> special operator (.)

### Control statemen

the tranching structure which controls the program flow is called control structure.

# The it- also statement

- \* The if-else statement contains a condition.
- \*91 B logically evaluated.
- If it evaluates to These condition then statements under if pant is executed.
- reglethe condition evaluates to FAISE state the statements under else pant B executed
  - \* Else clause B optional.
  - \* The statement under if on also part can be sible on multiple statements.
  - \* If multiple statements are used they must be on broked with the braces.

1) import Jara . cettl. Scanner;

public class passonfail of string check (int n)

if (n)=37)

Return \* passy.

Return " fail".

Public static void main (strong args [])

Scanner Z= new scannor ( system.inf.

Passonfail 06= 2 new passonfail (); System. out. Anntly (Pob. check(m));

46666

(2) Import Jarg. util . Scanner: ont check (Mt 1) public class leapyears? mt check (mts) { if (3x+==0 88 9x100!=0) statum " Leap Year " else If ( y x400 == 0) redum " Leap year "; > xeturn " Not leap Year" public state void main (strong area []){ i ftm Scanner & = new Scanner (System. In); Y=Z. nextInt () leapyear ob = new leapyear U. Systom. out println (" The year B" + 06. ereck ( J)) I polymore was a sect of the

the state of the state of the second

#### Passithe-negative

import Java. util. scanners

Public class positive Negative of

void check (int n)

if (m=0)

system. ord. println ("possitive").

else

System. ord. println ("regative").

Public static void main ( Strong [] args)}

Scanner & = new Scannor (System. in); n=z. rentInt ():

Ob. check (b);

Import Java . util . Scanner Public class if elses of void check (char en) if ((ch)= a' &beh (= 2')11 (c) A' &b chx=2") System out print In (" Brot Alphabet") else system out println (" Not Alphabet "); public state void main (Strong[] ary 3) } char ch; Scanner z = new Scanner (system. in) ch = 2 . nord). charAit (0): if else 2 if 2 = new if else 2 (); if 2 . check (ch);

```
import Java. UHI. Sconners:
public class minimum f
 int check ( intarint wint e)
   if ( a < b 85 a < e)
    Return a:
   else if (bla 86 ble)
     return by
   ebe
    return a
Riblie state wid man (strong args []
    M+9, b,c; 1 100 ) 100 100 100 2000 2000 2000
 Scanner &= new Seanner (system - ih);
  9=2. nentInt ():
   b=2. neutint ():
   c= Z. rentInt ();
  minimum ob = new minimum U:
  system. out printlin ("Ob. check");
```

Jon - 10 ap

1 public dass pattern of void print () System. out . print System · out · print ( = |n "); public state void man (string[] angs Pattern ob znew pattern () 03. print ().

Dpublic class patterns 1 for (int i=1:12=5:1++) fon (mt ナー() ゴくニンナナナ) System. out. print (i); System . out . print ("In"); Public state wid man (string [] orgs) } pattern 2 06 = new patter 2 (). 03 · print ();

3) Import java . util . scanner; Public class even Numbersum P int sum (int n) mt s=0; for (M+ 1=1: 12=n: 1++ return s; public state void man (string [] args Scanner Z = new Scanner (System. in) n=2. next Int (). EvenNumberSum Ob = new even MumberSum (); System out point In (usum = 1 + 06. Sum (n))

while loop 1 Import Jave . util . Scanner public class reversed Number f int recorse (int n) int in sum zos while (nxo) of Agree of h= h/. 10' Sum = Sum + 10 +1) n=n/10; Return sum; public statre void man (stang + 1 ongs) mtn; Scanner Z = new scanner (ststem. M); n=2 rend Int () Reverse of Number of = rew Reverse of number O System out println ("Revose of the number is "+ of Revose The second second

(2) Amont Java will scanner Public class palondrome of in revose (min) mi nom=0 while (1170) 10 = n/. (0) Sam = sum \*10 th n=n(la) Refair Sum public statice void main (stronge) mt n Sonner & = new Seanner (System . in ); n=2. next Int (): pallin frame ob= new pallin frame (); If (n == 0b. neverse (n)) System. aut. print In (" pallindrone "). -ebe System. out. println (" Not pallidrane a).

3) Import Gara util + ; Public class deven private state scanner se int even Num (int is inty) Mt I=x ; sum = 0; if (ix.2 == 0)} seturn sum; public static void main (stringt) mf 9/65 sc z new scanner (system. ih) a = se. nentInt (a) 5= 3c new Int (b); deven ob zrew doeren (): System. obj. println (obj. eventrum (a,b) &-while

(1) import fore. util . +3 Public class dosum & parvate statre scanner se; Ant sum (int n) f int i= 1, sum = 0; Sum += 19 While (1(=n); refun sum publice not state vold man (string [ 1 angs) ) m+ 9; se = new scanner (systom. M) a = sc rent Int () dosum obi z new dosum O: System · out. prombon (05). sum (a)

District the second second

3

(2) import Java . Util . +; Public class doodd f private static scanner so: void add (int a) 5 int i=1; il- (1/2/=0) { while (iEn); Public State vold main (strong [] aras) { mt bi sc = new Scanner ( system. M); b= Sc. nex+Int(); I must be to the Commercial Co. doodd ob = mew doodd U; OP. O99 (P).

```
3) Import dora. util + >
  public class boum }
   Public State Commer se;
  mt sum (mtx) go
   mt 1=1, sum =0;
     Sum t=15
    while (1(=n):
  refurn sum;
st public state vold man (strongt , arys){
    int a;
   se = new Scannen (system. in);
    9= Sc. next Int ();
    do sum ob= new do sum U:
    System. out. pantln (06. som (1)):
```

System out point In (" vormer");

break;

default;

system out point In (" consonant").

```
public statre void man (string [] ands)
     char ch;
      Sc = se new scanner (system. m);
       ch = se. next (). char A+ (o);
        vowed ob = new vowel ();
        Obj. letter (ch);
(2) Amport Jave. util. # )
    public class weak of
     private state scannerse;
      rold day (int n) /
        switch (n) }
         case 1;
         system. out. pmith (" sortunday").
         break;
       ease 2:
        system · out · println (" sunday ");
         break;
        case 3:
       system. out println (" monday").
        break;
```

4. 140 - NT A 144. 19 18 case 42 System out prontin ("Thursday"): break; Martins Jensey Frank case 50 System out println ( wednesday"); break! Case 60 System. out. printly (" Thursday ") Sneak! case 7: prontln ( " Friday "); 31 stom. out. break! Lefault 1 public static void main (string t 2 avgs) int q' Se = new Scanner ( system. in) a = sc. new Into: weak obs. = new obs (); STORES 050. days (a) )

```
3) Proport Gava-will it!
  Publice class month f
     private statre scannor ses
    void days (mtn) h
        Switch (n)
        case1:
        =) In found . two. moters
        break;
         case 2!
        Systemiout point In ( 28/29 days m)
         brank:
        case 30
        >1stem out printin
                               39
         break;
         case 4 "
          31stom. out. println ( " 30 days 4)
          break!
         case 5:
           system. out. println (4 31 days 4);
           break;
          case 6:
          system out printly (" 30
           break;
```

```
case 7:
 = stem out points (" 31 days V)
   break;
 case &:
   System. out. println ( 4 31 days ).
   break;
 case 9;
   3 ystem out println ( 30 days ");
    break!
   case 6
    System. out printin ("31 days ").
    break!
   ene 11;
    Sistem out printin ( " 30 days ").
    Streak;
   cose 12;
     Stoken out . printin ( " 31 days );
     procest;
public static void main (shingt) angs)}
  mf a;
 se = new Scanner (system. In);
```

a =se nent Int Us month obj = new month U; Obj · days (a); . I shall be a judge of the world ( and an in) addraing the mount " [ " god ye" ) planty he will was the out of all them y have maked

toid shows of

System out printle (" Hello world"); }

Public static void main ( start 1) ange)

Brank Account ob = new Bank Account ();

Ob. Show ();

\* Write a Java program that initialize a variable balance account number, account holder name

- -> credit to balance loogotk using method name anedit Account ();
- Debit Account U:
- > show the balance with all information using method show Balance U;

public class BankAccount } int balance = 0; Storng name = " Rahim Int accommber = 1234; void credit Account () | balance = balance + 10000; void dabitAccount () } balance = balance -5000; void show Balance () System. oud . printle ( " Name = " + name + " Account Number= + account Number + " Balance = " + balance);

Public Statle void main (String [] args) }

Brown Account ob = new Rank Account ();

Ob. Show Balance ();

Ob. Show Balance ();

Ob. debit Account ();

Ob. Show Balance ();

Ob. Show Balance ();

## Static Keyword

-> State Kegword used in Java mainly for memory management

02 = F 4pt adapt

- > Static members belonger to class instead of specific instance object.
- > state member can access without creating

> Statte Keyword in java can be used in -> Variable > method -> nested class -> Block # Differentiate of static and normal variable public class static Example of static int 9 = 20; mt b= 25; void shows 9++; Stotom. ord. println (" Non static variable b = "+b); System.out. printin (" Statle variable == "1+5);

Public static void main (String [] args)} Static Example 051 = new static Example () 091 · Stan (). static Example. Obl = new static Example (). 062. shaw (); System. out. print ("A="+9+"B="+059. 5); men wind white stand # State method; state int b = 25. State void show () 061. Show ();

nested-elass class Test } int x=20; State class Hello & void show U/ print (x); ) School 171 public state void main (strong [] ang)} test. Hello. object = new Test. Hello U; Object. show (); Test. Innerclass ob = new Test Innerclass ()

H.W. public class BankAccounts } int balance; Strong name = " Pahlm"; int aceNumber = 1234, void credit Account (int 6) balance = balance +b; void debit Account (int b) if (balance (b) System. out. println (" Your account balance is not a dequater); else batance = balance = b; void show Balance

```
System out printh (" Account number: "+ acc Number)
System out printly (" Name: " + name)
 System out printly (Balance: "+ balance)
public static void main ( strong [] args) {
  BankAccount Ob = new BankAccount O;
     Ob. ghow balance ();
     Ob. credit Account (37821);
     Ob ShowBalance ();
     Ob- debit Account (7372);
     Ob. show Balance ();
      Ob. debitAceant (93.9180);
      Ob. show Balance ();
```

Public class Bank Account 1 } private state strong mestary; floor balance Strong name; int decreme; void consdit Account (floor e)} balance = baknoe to; Void Jabit Account (Ant 1)} balance = balance + d; void show beforce ( floot b, strong n, inta) } System. out println (" Name = " + nx" Account Number = 4 tat " Balance = " +6);

Public state void man (strong 1 1 args) }

BankAccount 1 · Ob = new BankAccount 1 ();

Ob. Shawbalance (10000, n mastary n, 1234);

Ob. credit Account (10000);

Ob. debit Account (5000);

the state of the s

Java Class of property bearing to the second the second to war what brought gall of program statisture: > Documentation section > package statement (our important seet-> import statement (import Jara. util +) \* Interface statement ( public state Anal) nethed ->bottomet method class Defination man method Declaration

access modifier of class hame

public class Hellows create Elsing and my

public static void man (strong angs []) 2016 = 20 m System.out. println (" Hellow world") dass object method Thomas I have a gratinger to that come many the sound of the second of the

1 -1 - 14 -14

(decreasing the control of the contr

A Part of the State of the Stat

> The regulard public is an access modifiers > They Reguond Static means that a method B according & risable without objects executor > void means man nethod does not recturn only value. Eclipse Tempad a 4 pun mat way JOK = Jana Development Rit JRE - Jorg Puntine Environment CT ARM Class 2000 CER- ARM She ATH 2000 Aug 20 1 main function of cer class a month is attent Ale save rogger organ class wronger 1 \* import java. util . seanners public class Teret { public state and man (strong [) ands) { m 9=5; Scanner Z = new scanner ( System, in) a= 2 · nent Int () system. out. printle); system. aut. print (" The value of 45"+9)

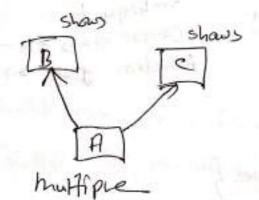
Constructors observed to at the Eduty - restrict and and agent class student The function of the state of int stdID; Strong name mobile; Student (infld, stong name, stong mob) stall = ill; name = nmj ments mobile = mob; al more protect of show 4. void show Uf ) when the property to provide 5. out P ( --- ' west fable there are 1 P 10 I be at shall I was class person f P.S. V.m ( --- ) 5 Student St = new student (1 " RHa" " 017 -- ") St. show(); Statudent st= new student ();

```
# defalt construedon
                    to no any construction
                     + copy construction (object copy out)
                                                                                                                                                                      gubie ful
             Student (Student St) }
                         name = st. name;
             Student st=new student (10, "nam" n mosile");
                Student st2 = new student (st)
+ write a Java program to calculate sum of two
                   integer asing implementating copy construction.
Ans! public class sum
                        int 9,6;
                 sum (int p int 9)
                                                                                                               · ) - make to the day
                              b=4;
                                                                                                             to a secure of the second of t
```

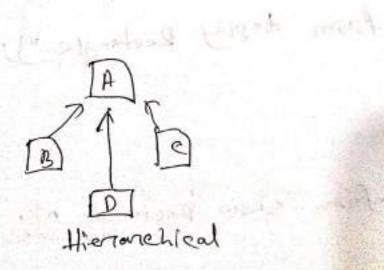
Sum ( Sum 'su) R = Su. 93 6=54.6: Int sum = su.atsub; System . out . println ( " Int sum = " + sum) public static void nam (strong [] angs) 3um 66 = new sum (10,20); Sum ob2 = new sum (ob); on class sum ! mt 9=10/ 5=20; sum (man mos) Sum (sum 05) } mt 9 = 05.9+05.5;

## Inheritance

- -> shale wheritance
- >> multiple "
- > mulfilered u
- > Hi-enarchical 11
- -> Applied .



Java support org IT



B) B, A conin herit server
smale

1 A M A Commaltilered

style: class stape f int x = 20; strong name = " Rohim"; A = nev A U void show of a. show () SOP ( " show from shape") smblani H CEMENT CLASS EN theten Jan my 1 class Rectangle endones shape & sop ( sam from display Rectangle ). sop (" som from show pectangle ).

It have a House main () Co religate whiter Reetange Bree = new Rectangle U; Mec. shower rece. display (); Sout ("x="+ Rec. x+" Name = "+ rec. name) Si about the contract Store Lies multilevel inheritance. \* WAP to implement multiplevel inheritance class A void show () I sout ( " sam from A");

class B rextends A } void display () Sout ( " Som from B 4). class c extends B } wil punt () 9 out ( " sam from e "); handfully handly is at letter c. Ob = new CD; 66 - pant U; Ob. display c): ob. Show ();

Hearquehical: \_

class B entents Af

class c entents Af

readium, length, and width,

-) use constructor to initralize the variable

-> create three subplass chicke, prectange, square

-> calculate the area in each class using method and print it (use interitance)

one Soam.

tope - 2 97(79;

- -> compile the polymorphBm = method overloading
- > Run three polymonphism = method overniding

\* method overloading:

- 1) Number of parameter (sum (ntx) sum (int x, nty))
- 2) changes of Later type of parameter (sum (Intre), sum (floats)

HARTIN THE

- 3 datatipe sequence ( sum ( int x floats), sum ( float y, int x)
- 3) Data type Sequence

  class Test of

  Statice void sub (mt n float y) of

  float c= x+y;

  g float (e);

State void sub (Anoty, intn) { float c= y+x; Stood (e); man Of Land of the state of the Sub (3,4.5+); Sub (45f, 5) - probably and had bard # with a ser produced for the second to method overhiding. -s method name must some as paraent class of class child class. -) Return tipe must be some for all. I final method can not be overridden > state " -s private 4 a The Mark to Sale of the 

Will The Edward Sugar class person S.O.P ( gen from person class show & ). class student extends persons Sop (" 9 sm from student class show"; public static roll man (string aruti) student st= new student (): St. Shary; person . Pt = new person (). Pt. Show (); person pt2 = new student (); Ptz Show () The series of the 1777年 一种中心 1 1 5 1 1

Super class of ATA subclass of Reference 1520 mad tag - subclass of my super class and reference grant organ at 1 # super Keyword - special meaning. -) super & used to refer parent class object. -) used to more parent class variable continuetra nethod. class person { int n=20; void show UL Sop ( " g am from person show )! class student entends person / mt 4=10; void show () S. op (ugam from steedont show)

void display () roig gizbla () 5,0.p(nx=n+ super.x) 570.P(X = "+ x); super · Show () Show (); publice statice void main (string arrast) {
student st = new student (). st. Lisplay (); 9 am from student show () constructors: class person } mt == 20; sop (ug am from persony) [ A DE CHEST THE PROPERTY OF

class student entends person } Smal of langer ourage Milhologier 2 a 877 Anitralize Sutredent (m+p) } (Thit a inth internal) Soul sout of comptant for Bresone n=p; Zng 7 95 fond we Jesuper (P) Ent 24) Not of giblon () S. OP ( 4 x = 4 + Super , 2). Publice statre void man (string args (1)) Student St= now student (100); St. daply (); Fral-Keyword I shal keyword used to reestrict the ower of variable of shall statue that it statue ?

Shall shall that m=100; on small shall overtible zout method (subclass ) blank final vortable.

A Abstract a a body 2000 of Just declaration 273

- -> Abstraction refers to the Representation of essential feachterse feature without including background details.
- -> Abstraction is a process of Liding the implementation details and showing only functionality to user.
- -> Abstract class (0-100/) (object exente and ments

abstract wethod > nethod

method is straige

A abstract class porson

abstract void display ():

void showy

applicate class at all modern applicate where earls applicate where earls

\* sub days a abstract class 221 - onza method
implementation viril contain and order and class student extends person / Sop ("Rahm"); Les principales de comme en la minimales del student 2 = new student (); class stuff extends student of method implementation made 200 ( ) The work have The process of the part of יקובות ביר היינים ביף CONTRACTOR OF THE LEVEL OF nertal and got made

Interface: - An interface in jara is a bluepoint of a class A Java interface contains state constants and abstract methods. The interface in Java is a mechanism to achieve abstraction. in the jara interface \* There can be only abstract methods not the method body. Interface class of Hos Interface interface name int n=20; void show(); interface mele vold display () intn=16; rold sum(); Rectangle implements shape shape, chicked wild shows? interface og met rold displa ? (or canal nonlype surter 2422 July vaniable ( public state void sum us Ama mf x = 20' -any method star method abstract

public state final intre=20;

Abstract class and normal class 29 ATT makes

implementation anyour may

to double method was som zom contra implementation

Interface use over multiple inheritance support

class a forefends As

Jeva support ant 1

\* interface ( marint object create out 2 mm of \* Corti - interface organis interface on entends inhehit sale muse Interface shape / int x = 20; interface square / interface circle extends shape, square of int x=x0; \* Java Faretta multiple inheritance support any owner interface our 31m2729-Interface Rectangle Void show ();

interface emeled class shape implements Reetingle, chicked Rublic state void man () } shape p = new shape (); P. Show (); THE HOY \* package: > package in Java 1s a machanism to eneapsulate a group of class sub package & interfaces. > package keyword used create package in Java > a class can have only package declaration. > Every class is part of some package.

\* Advantage: -

> preventing naming conflict

> Better organization.

> providing controlled access

> Reusablity.

A Rackage Jet;
class Show of
void show of

class Employee }
Void display () }

package IeT 21;

Import JeT

Import Jet;

Import Jet;

Import Jet;

Import Jet;

Student;

Student;

Student;

Student stenew Student;

Student word show ();

Public - {

Student stenew student ();

3-1. Show ();

A Acces

sub package de (1200 270)

\* Access modifier: > (Same package, Access modifica -> same packay . g subclass Comet package wiz = 319 access soft package Ict; degaut (protected) void show () } 2001 package Ict 2; import Ict; class student extends person !

AND THE STATE OF T

## merface class 1) An interface contains Of A class desertibes the behaviours that a class attributes and behavious implements. of an object. 11) An intenface contains M A class may contain only abstract methods abstract methods, concrete and one of the party of the nethods M All the members of M) member of a class can the interface are public be public, private, protected by default. on default. ton! - and the state of the state of

med to the second which the balls

## Abstract class

- concrete class.
- 1 An abstract class 1 declared using abstract modifier.
- (1) Am abstract class comnof be directly instantiated Using the new Keyword.
- (111) An abstract class may nethods not contain abstract
- (IV) An abstract class can not be declared as Anal.
  - 1 Implament an interface B possible by not paoriding implement talkats of all of the intoppace's methods. For this a child class 13 needed.

- 1) A concrete class & not declared using abstract modifier.
- ( A concrete class can be the new Keyword.
  - M A concrete class connot contain an abstract method.
  - (1) A contrete day con be befored as final.
  - W East implementating all the methods in the interdace.

Exception handling compile time eroson > ) IT for at evoror TH Run time erozon -> Armay size and Fixer, Mt 9 = 5/0 ; Sop (a); Anithmetic exception Stang s=null; Sop (s. Longth ): / Mull point cheaked exception uncheaked exception throws fry that statement causes on object exception exception creater creater that statement handle exception the exception 9= 5/0; SOP (a); catch (Exception e) }

SOP(e);

```
Example:
      public class Exception Handling }
        Public static void moun (string [ 1 -orgs) }
             Sop (a): | Storng sinally
Sop (a): | Sop (s. Length (
                                     SOP (s. Length ());
                                          they were day
                                          catch block arrange
      catch (Exception ob) }
                                           -ontable
            sop (06);
            SOP (05 + "Hello")
       SOP ( "Helloy)
                                      (40)-16
* catch (Anithmethic Exception e)}
            Sop (e);
  catch ( Nullpoint Exception ee)
          Sop (es);
```

catch (Exception a) } sop (a); Public class Exception Hendling {

Public statue void main (string [] angs) } Storng == null; / int a[] = n Sop (s. length ()); / a[6] = 7; I sht all = new Int [5] catch (Anithmetic Exception Ob) { Sop (Ob); catch (mullpointer Exception n) Sop (n); finally = 1 (0) Anally block spaper eriscute De exception SOP (" Helloy) ना भागाला ।

catch (Among Indexout Bounds Exception ar) SOP (an): catch ( Exception Ke) Sop (e); Sop (29 am from Frielly 1); eater affinally block Arox अध्याली bodlih exceeptin 9[] = new Ant [5]; 9[6] =7; Sop ( "Hello");

throw Grate Keyword 2007 theyar Zafa and emophing (31319) 25 mg) throws and method to trandle make mint 1 Exemples your Storng name: = text fist Name : Deftert of. (all-life earling per