

dist. pemove Animal ("Lion"); Mist. re. Home Some Samon Some Asilon A. Silon M. J. S Animal as = rien , ... Animallis (1); Animallist alist = news Animallis (1); alist adoliminal an alist al) compare perturbat 10-out of Syllabus or an trainer Judgismal 40 aloes Moviel.

private String name;
private String + ArrayList (String) | directors = news
private String + ArrayList (String) | ArrayList (String) |

Movie (String name, String... directors) public static void main (String [] args)? System. out-princt n (am. get Namel); Animal at - new Animal ("Lion", 12); Animal a2 - new Animal ("Tiger", 5); Animal a3 - new Animal ("Rabbit", 3); alist add Ahrimal (a1) alist add Animal (a2); ? this manne-manne; alist add Animal (a3); public class 131as

public String get Name! 2 Entrebase)

3

publick ArrayList String > get Directars (2)? Con (String director: directors) This movies moviellount; Movie Club (pro-Int movie Count, Movie. - morres) this dinectors add (dinector); il "agail ") Lamelinte s'romes " 12 il class Menicelubs?
Array List (Monie) monies = new Amay List (1);
int monie Count; notionalise extens;

Details (As far as I remember): When a file is to be 3 Provided (m): Invitable bious situates situated from the state of the situation of of t the single intended Byte is read. Until the whole read, JVM makes a request to the OS to read a portion of the file; it the reading is done Byte by Byte, only a single Byte is read but the rest is disconded, so a lot of systeme loss is faced. To void additioning house m) anoid this Buffered Reader maintains a buffer L Log (Novie miv: movies) where the rest from of the chumk is eached and (it (musquals(my))
{ system out print 2n (u Already exists 1);

buffer ien't fully read, & INM (on Java Compiler on Ja 260 - Public static void main (String E) angs)
260 - Public static void main (String E) angs)
2 2 - Array List (String) text Lines - new Array List 2 textimes add (time);
2 textimes add (time);
2 textimes add (time);
3 textimes and printence);
4 system out printence); Fin & Buffered Dister bus - news Buffered Maiter (new Fireholder requirement of thme & resources, better performing lesson of intering thom in the natural workflow File Reader ("A.txt")). exclusive is strough part to mothering in a cooker Fro doesn't make any request to specify) String Line=""; File Reader ("a.txt
while ((une - br. read Line ())! = null) Buffered Reader branens Buffered Reader (news the Of resulting in estillent a possations lessels

O Passing necessary parameters to the super-class's constructor in the subclass's 1 To access hidden members of superdass wallyon Innateril sword - (sucher ton) 7- 610m 20 et public alass TH salwer bow.newLinel);
} eated (+Freeptione) { (00) (Judger) Li bw. new Line (); I found the month from the contraction bw. append ("The Line to be appended"); bw.write(AR); 3ystem.out.println(e); 20 -> William Grandand Comer consor for (string (: textline) public void © 2 reuses:

throw new Oustantreption Bis Co String message="Value is greater than 100" Ad class custom-fraption exteends Freeptions : 25.278 . Q. (3) Custom Exception (String) & of return message; In the tricy to a waster Jeoth (EustamEneption e) Gradly & Sand Friends of the Control Lystem out point In(e); property statuta noid of int volue) throws Custom Exception Harons news Pustom Freep Hone (); { toys (note > 100) public String to String al Override

f(w);
System.out. pointen ("Reached here"");
f(v);
System.out.pointen ("Reached after v400");
{ system.out.pointen();
} Proposition of white to preference 30 Interface ittel the word of spublic clan TESolvel
psvm(String [] angs)

fint v;
v=9;
that v; 2 2 11 Body Lange of the south class of implements ittel order to answer - realthmanned &

psvm(string[] angs){
the obd=new c10;
ithe.f1(2;

36 Properties of static variables:

Belong to the class and not to a specific object.

Belong to the class and not to a specific object.

Only one copy of the static vasuable is created to no matter how many objects are created of since they are shared, changing takes effect for all objects.

Com be accomed without even creating on object.

Properties of static methods:

1 [seme]

(m) can only access static voridates, 80 NOT the non-

Reasons of mainly method being static.

1) .. main is the entry point if H wasn't stall we would need a object of the publicelass hat holding it, but for that we need to start the program, i.e. call main, which again, needs an object (if it was not static) the situation would become to a race condition. So the convertion is to make the malm statt

the student (String id, String name, String course, fint uniten count) C) society the section of String name; String course; public int Unit Combount; String id;

D. Has (single tillgen) 2014. (this unit Concerne - unitem count;

Land - Andred A (Day

Lymsild =id;

public void ame() 3 2 + 4 unit Concounts

La Bont 22 Als townted A. (A)

Ma) barrifatt without

olass Another Class // I have no i dea of the Quetton
of 1/50 thus kind of mounting

Sand Shind Shind & Shing of the County an interface must define all of its dostract methods default methods were Stands Swing Branch by principly to be principly to be some of the stands of the stand (1) A class implementing An(int 1=1;1 <= diff; 1++) trobute 22010 (0) other wise they the class Jana 7 from Jana 8, Destred Count = int current State - this 1 student. will become abstract. Student student; Another Dan (Student student, Int Desined Count) Thas (Myght have probling DONLY has abstract methods as well as methods, of but after Intertale atming 19? this->student-student; int diff = Desined Count-contracts tate; 400 Abstract Class 1 this student ine (); abstract meduods got body) (11) Abstract-elass imight by extender subclass be fully defined (all abstract methods or partially too.

class in Java) does n't concept of multiple inheritive (1) Interfaces support the static & final vorlables. m) Abstract alass in god W Interfaces on'y bave abstract methods of its - II I some of Implement a class. A An interface can't It] and stret coon - [1]. Dwn & stay abstract property course For a ++ Comments completely) but still have Implement an intentale static, non-static variables 19 Abstract class (or amy have final non-Anal, Suppost multiple (V) Abstract class can inheritance 4 @ 7:1)

desurer who are a country of the boars things (3) I I I through the boars the board of the board

presidence and to most be reach to reach to make a some some and

of Fol 323. and other mit most free x Farde By 2 20 to BA

C. [3] - war Jartegon [10].

Tell regard Commental [5]

40 Out 08 Sylabus Exception in sylabous. CSE 107. Java BIEBLESM: Are exertised ed function operator must problem: the exertised of function of the constitution Deublic Int Count Keys Oce (Strings [] Search List, String & [] Search List, String & Search Key 233 for (string s: Seanch List) shorter rea treamport if (3. equals (Seamahkey)) on the 40 Integer [11] a = new Integer [4] []; ++ Count; sampticarly i a[e] = new Integent 3]; the between a[2] = new Integer [10]; a [3] = new Integer [5]; - Int Count-0; a[1] - new Integer[1]; redum County 1. 3.20013 so treamostared

be done in a triend fun often of the condown

Inland ostreamly operator (Lostreamly os, chree Friend istream & operator 77 (istreams in eind ation of the state R-R-SM+ ostreams operator (4 (ostreams out, areles)? istreamle operator 7 xistreamle in circle 08 chale (double r, int x, inty) & double he showed CONTRACTOR SERVEN do into x, y;

in double m

class arreles

Charges Charte about about meaning the about the

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and the said and the course of the profession of the said and the said

and a selleting sandings of the company of second second

becomes type spellific once dass C: public A, public B hemonic Class: heart class means the classes that can have general etypes of member variables and have general e methods that work on variety of 2 1180dy Lypes having single implementation, the class class By me Smoone With nothings where Constructions of M. Body Lower ? E indition or traction o tolorals) story in inchibat (m)>6.2 >6.2 > 6.27 > 6 word helloUs 上京で中人心 Son State ALD States void of public: double height; Constructing Destructing Received class Af 12 'R 7W1 intx Eles Output: Public

2 Soid compact (into the treat, int on int start, instead

2 void compact (into the treat, int on, int start, instead

2 int to temp = new institend - start + 12; Sir Cantij > antiti) for (int i = stort; i <= End; i + 1)

Intigent i= stort; i <= End; i + 1)

Por (int i = stort) = arnay[i];

Son (int i = find; i < n; i + 1) //n <= 100 annumb elass ARRE pools to the publicity sess 2 array [i-(End-stort] = array [i];
}

Sint et=0;

Joh [int i= i; 1 <=(i+ Fid-stort); 1itt) array [i] = temp[et++]; }

femplate (class t>

66) Fire overloading is the process of writing newer function with the same name & retion type but with different number or types of arguments or both or having rearrangement of different arguments of DIFFERENT types, an overloaded functions body might on might not (Dummy be different than the original fre. Overtoaded fine might have different def not),
the original one (or might not), radically different behaviour might Generic fine -> Def is not going to be charge,
fundamental operations stay the 60 By making that fine- as static, we can call them
by their class names, eg int main!) { class hello? hello. show(); static int show () { 37,1000 eout 2 nello " (Cend); 3 Vetwin 42; 1 = 6 par stot 3; Zeltetelymobil

76 Copy constructor is a special type of constructor that copies all the attributes of an object.

3 cases: Or When an obj. of a class is declared with the class Name object; class Name object; class Name object; class Name object; class Name object. 1) When an obj. is passed to a fine as an argument Inc(obi 1); //copy constructor is called (11) when the called fine returns and Enside the -caller function, receiver object gets the obstratured) ob23=fre(ob21); // fre signature: Class Name fre (class Name f 76 long Compute Volume (int. h, int w, int d) L return h*w*l; long New_Compute_Volume(int h, int w=1, int e=1)

? return. h*w*L; template Colass class Name>
class NoOfInstances Trackers
int count=0;

Public:

NoOf Instances Tracker ()

++ count; nNoOfIntances Tracker() { No Of Interiors Tracker (const Class Name & Obi) 2

T+count; }

int get Count() { return count; } 1-for any class X,
class X: private NoOf Instances Tracker (X) 1 Body return. has wat L. 8 (and 30, on...)

8 (and 30, on...)

NAJOR Prohom

anray 2 = 0 b2)

Int 1;

for (int i = 0; i (10; i + +) cout (-4 n. get(i);

3 //and 30 om.

armay object & will destroyed. But a has the Inc. redurn, the num object will not be existent. TF Cooles -1-2/tree/ Fix: writing a copy constructor to stop address copying Enum will be invalid memory beaton, so will course segmentation fault & double freeing up. address he reference of object ob. So after the De class derived: private base? Must be 86 Kindly read the answer from slides, thanks > pully < 80 Slide+ YES: github.com/ Ibridaco1/75-1-2-6 cont << " AMocation failurein"; for (int 1-0,1< site; itt) exit (EXIT_FAILURE) tws->p[i]=0b.p[i]; } catch (bad allo e 29) { 62 new Int [5:2e]; int news 32=06.512e, Econ & Brown & Ob) & this-ysize= 32;