

-> Strings - String is a sequence of Characters. In java, Thing is a class Reference and treated as Datatype > Instance of string. String str = "Anystring"; String Str2; sto = new String ("Anysbring"). -> mnt on lousole System. out. {print(), print(n) print(), format() } 2 System.out.printf("/.cl',ch); with nuoline without new line Different Prong methods - String str= new String ("DKTG") 1 Str.length() -> gives 5 @ It. to Lower Care() > given string in lower case 3 Str. to Upper Case () - gives string en Uppercase (3) Str. tsim() -> Return new string after removing all the spaces at start and end. 1 Str. Slubstring (start, end) -> Returns the string from start index to end-1 index - end es excluded 1 str. seplace (ir, p); Return new string by replacing & with p a) str. stanfsloith ("D") = form (8) Str. ends With ('s) + true name charAt(2) < - Returns T (1) mame endix of (1) + 0 name. last Indx() + last endx Ecsape Sequence In, It, 1', 11 backslash.

Singh Quote > new line

177	- ARash pary
	Conditional in Java -
	if, if else, if else if & peusion making
	The property of the property o
	Switch case -
	If we have choices !
	Ewitch () 1
13.0	SWIFER () 1
	asex >:
	11 statement
	break; desired
(<u></u>	Defaut:
	y regarder - variation
(N/4)	1
	Loops. Sometime we want to execute a few set of
	Trumetion again and again
	Types of loops.
	while loop while (condition) & 3
	do while do à quotile condition?
	for loop for (steration, condition) 5 2
	for each loop for (int x: vahAzz) 2 2
	THE WARRIES LATE AND A TOLL OF THE CONTRACT OF
	break statement -
	If we want to stop the loop then we can
	we break keyword
F12 4	It complitely exits the loop
No.	Confinue -
	escape the steps and more to the next step
1	The first step
100	CARS AND AND THE PROPERTY OF T
and the same	the description of the Arabi San Property of
李 孙 弘	
	god officery boning of decision

Akash Patil ops - Object oriented programming hes to map instruction with real world to make code easier and understandable object mented programning -Triving to some the problem by creating object Class - Class is a blueprint of object Opert/Instance - opert is a real world entity or instantiation of a class A memory is altocated to object so memory only. Oppi - Perminologies 1) Abstraction - Juding the internal details and showing only essential details 6) Eneaphilation - Encapsulating the properties and method en single unit meating a class is a encapsulation (3) Inhentance. Emply means creating tomething mu Ininge from existing ming In siva creating a new dass extending exiting class In when fance wild can access all the properties by parent class Polymosphim - polymomphum means many forms Achienny one task in different way Compiletime Runtime Enterface nemod method overloading overding

Stash Patil

Medice of	Creating a class Class X5	
B. F. Committee		
11	properties	
	methods	
3	Construction	
	Destrutos	
	their to the second of the second	
904-06	Acces modifier	
7,19,15	Access modifiers specifies where the property and in	emod
	an be allemble (9) yres	
	private < cannot access outside class	
	public - aresible anywhere and	_
[315,0]	Default only accessible within package by defau	ult defaun
	protected a Accessible in class and in child class	
	but cannot outside the package !.	
	gass package outside package by publish	outside pret
	private ×	X
WW.	Default V X	<u> </u>
	protected v	MX
EMILIT	publice / /	
	Aller 12 - 12 - 12 - 12 - 13 - 14 - 15 - 15 - 15 - 15 - 15 - 15 - 15	
A 774 J. 17	Abstraction in Java - by Abstract classes and inte	Maces
	Getters and sefters -	
	to set and retrive the data (methods	()
	Constructor - It is a method with the same of	name
	of class without any returntype to initialize	
	the object	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Types. Default	
	parameterned	
	overloaded pevrameterized	
	Or no lowers	

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Destructor - Destructor is used for deallocating memory and close the med scrownes it is emplicitly called by Java to perform some operation twough destructor fineline method is used Inheritance - Inhuntance is used to use the properties of existing class homow Declaration Inhentance Parent -> class A & 4 Child > class B extends A& 30 Comparetor and destructor enjava Inheritance Parent confuctor child constructor Child destructor parent distriction. oustneeter Overloading in Ruhentane In Inheritance Defaut constructor is called by child class object to call parameterized constructor we can use super keyword super (a, b this keyword mis keywoords points to object. mis is a reference to current object And overriding Methods from Parent are Reweiten/ Redefined in died & known as Mithad overviding

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Akash	Patri

10.0	FIA	Akesh Patil
8 A /A /	Abstract class and Distersion	
To Parke	Abstract (lass And Entenface Abstract in english > idea without	comerete existence
X charle	Abstract method - A method is declare implementation with	abstract keyword
7-14s	Abstract class - Rf class contains abstract class must be declared a A class containing abstract class	with abstract terrioon
3	the Instance of Object abitract class only exten	cant be installiate ded
	Interface - In english Interface mea	ned as Abstract
1 1/4	where two tystem will in In Java interface is a g	teract
	mighted with empty bodies	
1	Inhentance in Interfaces	,,
	interface X { void memodi(int X);	34
		A LINE
	interface & extends interface X ?	
	3	
A. Lac	· Land in the state of the stat	23 1287 - 171
12.32.1	and the same building the same and all	W
4		

Province of the second	
	thread - themal
	Thread - Thread 1s a lightweight context of java
	1.0
	Avery Java program atleast one turead created
	by JVM at start of program when main method
	The state of the s
	Multimeading -
	multiple thread simultaneously is a process running
7 19 19	di ilayin di kanana
	thread is jight weight process
7	Creating thread.
•	1) By extending Inread class
	Der implementing puread class
	D By implementing Runnable interface
_	life Cycle of Juread
•	New -> Runnable > Running -> Terminated
	1 Joinarased
	Nonninnable
	New - O Instance of thread is created but not stanted !
	· · · · · · · · · · · · · · · · · · ·
	Runnable - After moking of Harry) before it o
	selected to be our by scheduler
	· W.
F	Running - Affer Juread Scheduler has releated it
1	Ion runnable - Thread alive but not eligible to run
	Terminated - prun mothod has existed

		Akash Patry
	Maked and Thomas Class	Thou I wad
	Methods are in Thread Class -	
-		
-	stant();	
	Join ();	**
-	getpriority ();	1
	selpriority ();	
	Errors and Exception -	
^-	Three types of error	
,	1 Syntax error	
	(3) logical error	
	3 Runtime error + Exception Mandling	oill be next part
	Java sometimes encounter an error Dhe	n program
	as kunting this emory is known as kunti	me
2004 - 7 1 1	sitial as exception	
	types -> O checked -> handled by compi	les
	Ducheked - Runtime exception	n
	Handle exceptions	
• -	using try catch block we can handle	exception
	Userdefined exception.	
LUAN.	we an weate men ground account:	m la
- Charles	Treating class and extending with Example	in do se
	pass the plusage to Exception dass by super !	ceyword
,	Throw of throws -	
	Tomas house I wall a	
-	by programmy used to throw exc	eption explicitely
	To dechame all exection and	
	mat their might be exception. Mis gives an	information

Name of the last o	GUI Program.
	Completed lile V IN HOTEL =
	It is a lune of interface (wer interface) Through
600	Buch wer can interact with electronic dence ya
	Visulici.
	1/2007
	Java And - Apptreation window toolkit
	Abstract window tool kit
	and is an APT to divisione ou or window based
	application. Api used for exchange and functionality
	Jawa awt package provides for AWT APT
	such as textfield, Label, Textarra, Radiobutton
	Chickbox choices ete
	aust is platform dependent because it calls
	native platform subsoutine for creating APR
	component.
	It displays the component according to
	0
	File handling - Updating and deleting
	Creating, reading writing the data ento.
	the file is known as filehandling
	Spream - Byteshream
	Charactersfream
	Aulestram (reads)
	Bytestream output stream (posite)
and a	ourpay means (worke)
	Reader clases (Reads)
	Charactery fream
-FIR	Writer classes (Wites