	(Week-8) (ab 4 and 5 - Practice Programs
	Trachie Programs
1	hill which has abot a
	intering from solid to Brod Surface Breaand volume.
	to from suffere the and volume
cons	import java ro. +;
-	abstract class solid
	abstract class solid
	6
	double d'ydrd3;
	Solid ()
	2
	$\frac{3}{\text{cib}}$
	That wid surface-weal);
	abstat wid volume();
·	
	class Cylholer extends Solid
	Le liada Martia a dauble to
	Cylinder (double a, double b)
	di = a'
	$d2=b^{2}$
	2
	boid surface areal
	C SWIME - WRACJ
	System.out.pointin l''surface Dea 15:117
	(2t3.18 x d1xd1) + (2x3.14xd1xd2))
	2
	sid volume()
V	
	System. pert. printin ("Lowne is;"+(3.14 *al ran *d2))
	system. Deur sprivation

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	class Cone extends Solid
	5
	Engle (daylas a 1 1/2 /2 1/2 1/2
	Evere (double q double by double c)
THE	11
i galerine	dl=a;
	d2=b;
#15	d3=c;
The state of the s	3
-	void surfane ereal)
- <u>- 189</u>	
	((3.14* d1 * d1) + (3.14 * d1 * 12.112)
<u> </u>	((3.14×d1×d1)+(3.14×d1×d2)1).
	3
	void volume().
	5
	Syclom and add to
	System.out. printly ("blune is" + (3.14x
	3 dixd(xd8 3/3.0)).
	2
	class Sphere extends Solid
	5 Sprike extendy Solid
	Sphre(double a)
	$dl=\alpha$
	$\frac{\alpha(2\alpha)}{2}$
	void Surface-creat
	System. out. print In ['Serle
	System. ont. print In ('Surface Anea: is ;'1)  (4*3:(4* 21*21))
	(.4x31(4x d1xd1)),

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	soid volumet)
	9
	System. out. printin ("volume is:"+ C(4×3.14× didly
	3)2,
	23
	class Solid - test
	$\mathcal{C}$
	public stabic void main (Shring ags [7]
	Service of the servic
	Cylinder C=new Cylinder (1,2);
	Cone Cl= new Cone (1,23).
	Sphee s1= rew Sphere(2);
	· C.· surface - creal).
	c. volume();
10	c1. curtare - aneal).
	e1. volume();
4	(51. swfare - acal)
	S1. volume();
	?
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	THE REPORT OF THE PROPERTY OF THE PARTY OF T

Oxta-Ingram- 2 (week-5) import java.io. import java wil. +; close lenon String name; Person (String name) this name - name System-out-print/n(11 x x x x System.out. println ("Name: "+name). dass Employee extends leyon String designation; Employee (String name, String designation) Super (name). this designation = designation Systemout printh ["Designation." + designation! class Student extends Penon ching designation; Studen (String name, String designation) super (name); this designation = designation. System. out puth ("Designation!"+ designation)!

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1	clare teating extends i mplagee
\	Sh \ a a a
	Learly emptype;
	String name, String designation, Shing
	String emptype;  Learning (String name, String designation, String emptyre)
	Superiname de la
	Super (name, designation); this emptype - emptype; Supreme out pricht (11)
	System. out pricht (41-
	33 Suptem.out-printh("Emptype:"+ emptype);
	Elens non-teahing extends Employee
	2
	5000
- 4x	The returning (Shing roung China
	non tearing (Shing rane, Shing designation,
	super (name, designation).
	My S. empting - Onist.
1	System. out. printh ["Englype: Herptyre);
_	
	Class ug extende Student.
	Lighting count;
	Eg Ching name, String designation, Striggord
	Super [name, designation]
	prof.come = (Q) no )
	5 ystem-out.printin("Coure:"+courses.
	class pg extends Student
	<u> </u>
	Strang couse!
	Pg(String nane, String designation, string come)
14.5%	

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	1 1001:
	Super (name, designosis);
	This couse = ceutse.
	3 ystem out print In ("Courl" 1/4 Course).
	3
	class seet hierarhy
<u> </u>	7
	public static void mais (String agel]
	le sili de scanner scanner (Systemin)
	Scanner SC = new Scanner (Systemin).  teaching H=new teaching ("Showat", "Employed, "teaching");
	"teality"):
7	han-teating +2= new non-teating ("Rani", "Buy! a) et ", "in -teating ").
<u> </u>	pa pl=nen pa ("Pank" "" studer" ("ng")
<u></u>	pg pl=nen pg("Pankenj", "Student", "pg").
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