Scanner sc = new Scanner (System.in); System.out.println ("Enter the value of r and h: "); volume = ((3.14 + 3.14) * * * h); area = (2*(3.14)*x*(r+h)); System.out. println ("The area of the cylinder: +area); System out prinds ("The volume of the cylinder: +volume) Scanner SC = new Scanner (System.in); System.out.println ("Enter the value of r: ");

WEEK-8 (Extra Programs)

class Cylinder extends Solid

void cal Area Volume () }

r = sc. next Float ().

h = sc. next Float ();

class Sphere extends Solid

void cal Area Volume 11) {

r = sc.nextfloat ().

double area;

double volume;

1.) import java. util. Scanner; abstract class Solid ?

float x;

floot h;

double area;

double volume;

volume = (4 * 3.14 * 7 * 7 * 7)/3; area = 4 * 3.14 * 7 * 7; System. out. println ("The area of the sphere: System. out. println ("The volume of the sphere class Come extends Solid double area; double volume; void calAreaVolume2()& Scanner Sc= new Scanner (System.in); System.out. println ("Enter the value of r and ~ = sc. next Float 1). h = sc. next Float (); volume = (3.14* x* x* h)/3; area = 3.14* r* (r+ Math. sqrt (r*r+ h*h)) System. out. println ("The area of the cone:" tarea). System. out. println ("The volume of the cone: + volume); class Solid main ? public static void main (String args[]) { int option; System.out. println ("Enter the option: In 1. Cylinder In 2. Sphere In 3. Cone

In4. Exit In");

Scanner Sc=new Scanner (Systemin);

Option = Sc.nextInt();

Switch (option) if

case 1: Cy linder C= new Cylinder ();

C. cal Area Yolume ();

break;

case 2: Sphere S= new Sphere ();

S. cal Area Volume ();

break;

case 3: Cone C1= new Cone ();

C1. cal Area Volume 2 ();

break;

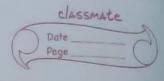
case 4: System. exit (0);

break;

Juhile (option! = 4);

3

2) import java. util. Scanner; class Person ? String name; Scanner Sc= new Scanner (System. in); void Details1 () { System.out. println ("Enter the name: "); name = sc. next (); System. out. print In ("Name: "+name); class Employee extends Person int emp-id; Scanner sc=new Scanner (System.in); void Details 2 () Dotails1 (). System. out. println ("Enter the employee Id: "); emp-id = Sc-nextInt(); emp-id = Sc-nextInt(); System.out.println("Id: "+emp-id class Student extends Person Scanner SC=new Scanner (System.in), void Details 3 () { Details1 (); System. out. println ("Enter the Student Id: "); St_id = me sc.next Int(). System.out. println ("Id: "+st-id);



class Teaching extends Employee ? double sal; Scanner sc= new Scanner (System.in); void Details4 () { Details 2 (); System.out.println ("Enter the teaching employed salary: ");

Sal = Sc. next Double ();

System.out.println ("Salary: "+Sal); class Nonteaching extends Employee ? double sal; Scanner sc = new Scanner (System.in); void Details 5 () { Details 2 (); System.out.println("Enter non-teaching employee salary: "); Sal = next Double (); System.out.println ("Salary: "+sal); class Un extends Student ? Scanner Sc=new Scanner (System.in); void get Details 6 ()
Details 3 (); System.out.println("Enter the semester for UG Students: "); sem = sc.next Int ();
System. out. print In ("Semester: "+sem);

