```java
import java.util.Scanner;
abstract class Solid{
    abstract void comp_surface_area();
    abstract void comp_volume();
}
    abst
class Cylinder extends Solid{
    int r,h;
    Cylinder(int r, int h){
        this.r=r;
        this.h=h;
    }
    void comp_surface_area(){
        System.out.println("Surface area of
        cylinder = "+ (2*3.14*r(r+h))));
    }
    void comp_volume(){
        System.out.println("Volume of cylinder:
        (3.14*r*r*h)));
    }
}

void Cone extends Solid{
    int r,h,l;
    Cone(int r, int h, int l)
    {
        this.r=r;
        this.h=h;
        this.l=l;
    }
}
```

```
void comp-surface-area(){
    System.out.println("Surface area of the cone="
    + (3.14*r*(r+l)));
}

void comp-volume(){
    System.out.println("Volume of the cone ="+
    ((3.14*r*r*h)/3));
}
}

void Sphere extends Solid{
    int r;
    Sphere(int r){
        this.r=r;
    }

    void comp-surface-area(){
        System.out.println("Surface area of Sphere="
        (4*3.14*r*r));
    }

    void comp-volume(){
        System.out.println("Volume of sphere="+
        ((4*3.14*r*r*r)/3));
    }
}

public class week5-extra-1{
    public static void main(String[] args)
    {
        Scanner s = new Scanner(System.in);
        int radius, height, slant-height;
        System.out.println("Enter the radius and
        height of the cylinder respectively:");
        radius = s.nextInt();
        height = s.nextInt();
        Cylinder cy = new Cylinder(radius,height);
        cy.compute-surface-area();
        cy.compute-volume();
        System.out.println("Enter the base radius,
```

```java
height and slant height of the cylinder
respectively :");
radius = S.nextInt();
height = S.nextInt();
slant-height = S.nextInt();
Cone co = new Cone(radius, height, slant-height);
co.comp-surf-area();
co.comp-volume();
System.out.println("Enter the radius of the sphere:");
radius = S.nextInt();
Sphere sp=new Sphere(radius);
sp.comp-surface-area();
sp.comp-volume();
}
}
```