meate polygon which includes défault getpenimeters and abstract method getallea () calculate penimeter & anea of all polygons. Any class implements polygon must provide imprementation of getAneal). infort java vill k' interjace Polygond public void get Perimeter (), public abstract void getareal); class Iquous implements Polygon of Jeanner 10=new Scenner (System in) public void get Perimeter () & Mystem out println ("Enter no of ridu") int n == sc-nent Int (); int p=0', for lint t = 0', ihn; itt) Typen out println ("Enter ride"); int 1 = 10 nent Int (); P&+ = S; Tystem out-println ("Perimeter: " + p); Public void get Areac) à Myslem out println ("Enter side length"); int a = 10. nent Jut (); int and = a*a' ("Area! " + area); Tystem - out printh

```
Class Triangle imprements Polygons
     Scanner 1c=new Scanner (System.in);
      Public vold get Perimeter () &
      Tystem out print (" Enter no. of sider").
     int n = 1c. nentsut ();
      for (int i=0; iln', i++) mapped
     System out printen ("Enter side: ");
     int s = 1c nerd 9nt ();
      y P+= S;
     System out println ("Perimeter: "+p).
   Public void get Anea() &
  Typtem. out. printin l'Enter base and height!):
   'Und b = 1c. nentfut ();
    int h = 1c. nentgrot();
   double area =0.5 * b * h;
   lystem out pointle (" Area: "+ area"
       class hain d
public étatic void main (String augs [7)
Scanner 10= new (conner (System.in);
Polygon
         19 = new
                     Aquame();
```

```
19. get Perimeter ().
19. getama ();
Polygon t = new Luayle();
t. got Perimeter ().
t. getaueac);
ye transferred a seek and let or year together
Out put
Enter no- of sides: 4
Enter lide: 5
 Penimeter: 20
 Enter 1ide length: 5
 Anea: 25 m punt spagnonchier sugar
 Enter no. of 1ides: 3
 Enter side 3
 Enter side 2
Enter side 1
 Penimeter :
  Enteu base and height: 4 3
   Anea: 6
```