```
Devolop a Java program to reade an abstract close named shape that
LAB S
 combons has quegoes and an empty method named part Areal).
 Provide three classes named Rentangle, Prangle and Itale such that
  carl one of the dass axtends the dark shope. Each one of the dasses
  controlnenty the method pollothere () that points the dea of the
  Pupoet gava. UPI. Scanner:
   abstract class shape
      abstract vold politheal);
      Double a,b;
   closs Restangle extends Shape
       pouble n, y;
       Redangle (Double a, Double b)
        En=&; 4=b;3
       () see there bev
         System. out, poortly ("Avera of the Rectangle =" + (n *y));
   charle Prangle extends shope
    Double 2,4
    Tryangle (Double a, Double b)
     Ln=a; y=b; 5
     () seek tuly brev
       Eystem. and. proutint "Avera of the Trangle = "+ 10.5 xxxxy"
```

```
das Baile extends Shope
    pouble 9;
    chile (Double a)
    [ n= w; ]
    (JaseA studen 590v
      System.out, poontly ("Aver of the Carole = "+ (3.14 + 9.49.1);
    Public static vold maln [strings[] angs]
does abstract area &
       Scanner XX = new Scanner (5ystem?n);
       System. out, partin 1" Ruder langth and whath of
        w = xx. next Double ();
         x = xx. next Double ();
        leitangle E = new fertangle (w, x);
        System. oud. poolul" Enter hoght and bose of trangle"):
         y = xx. next Double 17;
         2 = XX. Next Double ();
        Wangle t= new Wangle (y, z);
        System. out, possition 1 outer the God Pus of Prile?;
        p=xx.next double ();
        Barle L= vous Carle (p);
        C. psPrd Agen ();
```