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a pevelop a java program to create an abstract class named
  Shape that contains two integers and an empty method named
  pointAreac). Provide three classes named rectangle, triangle,
  circle such that each one of the classes extends the class
   Shape Each one of the classes contain only the method printficea()
   that prints the axea of the given shape.
   impost java. util. Scannes;
                                    16 Halleste St. Alken to
   abstract class Shape f
                      sort alproviate a street a street to ask of
     int dim1, dim2;
     abstract void printAreal);
  class Rectangle extends Shape {
      public Rectangle (int dim 1, int dim 2 w) {
this dim 1=1:
            this.dim1=1;
                                     ( )thit is a stupion in
            this.dim 2= w;
                        Tournet touring enew touring (b,h);
     void printAreal);
                                     ( )2000 Atrio 4, 3/1010/64
       int area=dim1*dim2; to acidon como los
       System. out. println ("Rectangle area: "+area);
                             (cuibus) sha) with sh
                                           (DESOHING SON)
 class Triangle extends Shape {
     public Triangle (tot b, int h) {
          this.dim 1 = b;
          this dim 2 = h;
                                              OF SIGNOT OF TO HE WAS SOME
                                               2 sprint of all to some
     void printAreal) {
    float asea=0.5 * dim1 * dim2;
    System. aut. println ("Triangle area = "+ area);
                                                 A 19/DAOIST to SEDO ASKI
 Class Circle extends Shape {
private final double pi=3.14;
public Circle (int 8) {
        this dim 1= 8;
   void printAreac);
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float asea = pi *dim1 *dim1;

```
System.out.println ("Circle axea: "+axea);
public class Mains
    public static void main (String [] axgs) ;
          Scanner sc= new Scanner (System:in);
          System out println (Enter sectangle length: ")
int length=sc.nextInt();
          System. out println (Entex sectangle width: ");
          int width = sc.nextInt();
          System out point en (Enter triangle base: ");
          Rectangle rectangle=new Rectangle(1, w);
          rectangle.printArea();
          S.o.p (Entex triangle base: ");
          int base=sc.nextInt();
          S.o.p (Entex triangle height: ");
          int height = Sc. next Int();
          Triangle triangle= new Triangle (b,h);
           triangle, printAveal);
           5.0.P (Enter radius of circle: "); intradius: sc next Tall state (");
           int radius = sc. next Intu;
           (ische circle=new Circle (radius);
          ¿ Circle. printAreal),
```

Entex length of rectangle=10
Entex width of rectangle=5
Pectangle area=50
Entex base of triangle=8
Entex height of triangle=8
Triangle area=20.0
Entex radius of circle=10
Circle area=314.0

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Enter height of triangle: 10

Triangle Area: 25.0 Enter radius of circle: 50 Circle Area: 7853.974999999999

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