```
abstract class shape
{
    int a = 6, b = 4;        void shape() {a = x; b = y;}
    abstract public void print _area ();
}


class rectangle extends shape
{

    public int rect_area;

    void print_area()
    {
        area rect_area = a * b;

        System.out. println (" The area of rectangle is : " rect_area

    }

}

class triangle extends shape
{

float int tri_area;

void print_area ()
{
```

```java
        tri_area = (0.5 * a * b);
        System.Out.println ("The area of triangle is : "+ tri_area");
    }
}


class circle extends shape
{

    float cir_area;

    void print_area()
    {
        cir_area = 0*(3.14 * a * a)
        System.Out.println (" The area of circle is "+ cir_area);
    }
}


class Test
{

    public static void main (String []args )
    {
        super shape (x,y);
        rectangle r = new rectangle ();
        r. print area();
        triangle t = new triangle ();
        t. printarea();
        circle c = new circle ();
        c. print area;
```