

exerks:

```
import java.util.Scanner;
```

```
abstract class shape
```

```
{
```

```
    int a, b;
```

```
    abstract public void print-area();
```

```
}
```

```
class rectangle extends shape
```

```
{
```

```
    Scanner sc = new Scanner(System.in);
```

```
    public int area-rect;
```

```
    public void print-area()
```

```
    {
```

```
        System.out.println("enter a and b");
```

```
        a = sc.nextInt();
```

```
        b = sc.nextInt();
```

```
        area-rect = a*b;
```

```
        System.out.println("The area of rectangle  
is: "+area-rect);
```

```
    }
```

```
}
```

```
class triangle extends shape
```

```
{
```

```
    int area-tri;
```

```
    Scanner sc = new Scanner(System.in);
```

```
    public void print-area()
```

```
    {
```

```
        System.out.println("enter a and b:");
```

```
        a = sc.nextInt();
```



```

        b = sc.nextInt();
        areaTri = (int) (0.5 * a * b);
        System.out.println("The area of the triangle  

        is: " + areaTri);
    }
}

class circle extends shape
{
    int areaCircle;
    Scanner sc = new Scanner(System.in);

    public void printArea()
    {
        System.out.println("enter a and b:");
        a = sc.nextInt();
        b = sc.nextInt();
        areaCircle = (int) (3.14 * a * a);
        System.out.println("The area of circle  

        is: " + areaCircle);
    }
}

public class shapeArea
{
    public static void main(String[] args)
    {
        rectangle r = new rectangle();
        r.printArea();
        triangle t = new triangle();
        t.printArea();
        circle c1 = new circle();
        c1.printArea();
    }
}

```

```

import java
class decr
{
    String
    double
    decr
    /*
    {

```

```

    {
    void
    {
    S
    S
    v
    a
    =
    {
    }
    void
    {
    S
    {
    void
    {
    Syst

```