

```
816 //Abstract Shapes
817 import java.util.*;
818 abstract class Shape{
819     int a=1,b=2;
820     abstract void printarea();
821 }
822 class Rectangle extends Shape{
823     void printarea(){
824         double area=a*b;
825         System.out.println("Rectangle's area is : "+area);
826     }
827 }
828 class Triangle extends Shape{
829     void printarea(){
830         double area=a*b*(0.5);
831         System.out.println("Triangle's area is : "+area);
832     }
833 }
834 class Circle extends Shape{
835     void printarea(){
836         double area=3.14*a*a;
837         System.out.println("Circle's area is : "+area);
838     }
839 }
840 class Series{
841     public static void main(String args[]){
842         Rectangle r=new Rectangle();
843         r.printarea();
844         Triangle t=new Triangle();
845         t.printarea();
846         Circle c=new Circle();
847         c.printarea();
848     }
849 }
850 }
```



```
C:\Users\Shreshtha Aggarwal\Desktop\java>javac Series.java
```

```
C:\Users\Shreshtha Aggarwal\Desktop\java>java Series
```

```
Rectangle's area is : 2.0
```

```
Triangle's area is : 1.0
```

```
Circle's area is : 3.14
```

```
C:\Users\Shreshtha Aggarwal\Desktop\java>_
```