

PROGRAM

```
class Shape{
double x;
Shape(double a){
x=a;
}
}
class Rectangle extends Shape{
double y;
Rectangle(double a,double b){
super(a);
y=b;
}
void area(double x,double y){
System.out.println("Area of Rectangle :"+
(x*y));
}
}
class Square extends Shape{
Square(double a){
```

```
super(a);
}
void area(double x){
System.out.println("Area of Square :"+
(x*x));
}
}
class Circle extends Shape{
Circle(double a){
super(a);
}
void area(double x){
System.out.println("Area of
Circle :"+(3.14*x*x));
}
}
class Area1{
public static void main(String ar[]){

Rectangle r=new Rectangle(2,5);
Square s=new Square(4);
```

```
Circle c=new Circle(3);  
Shape ref;  
ref=r;  
r.area(2,5);  
ref=s;  
s.area(4);  
ref=c;  
c.area(3);  
}
```

OUTPUT

Area of Rectangle :10.0

Area of Square :16.0

Area of Circle :28.259999999999998