

### Problem on Inheritance:

Write down the following classes:

```
abstract class Shape{  
    protected String Name;  
    protected double area;  
    abstract double getArea();  
}  
  
abstract class Box extends Shape{  
    protected double length;  
    abstract double getPerimeter();  
}  
  
class rectangle extends Box{  
    double width;  
}  
  
class square extends Box{  
}
```

Now construct objects for rectangle and square classes. Take inputs and show area and perimeter for both rectangle and square.

#### Sample Input/Output:

Press 1 for square, 2 for rectangle

1

mysquare

5

mysquare -> Area: 25 Perimeter: 20

Press 1 for square 2 for rectangle

2

myrect

5

4

Myrect -> Area: 20 Perimeter: 18