```
20-8-18(화) 인터페이스
인터페이스로 부터 상속받아서 사용하기
```

(1) Shape 인터페이스

```
package a20_8_18:

public interface Shape {
    int RED=1: //변수 public static final 성격있음
    public static final int GREEN=2;
    public static final int BLUE=3;
    public void area(); //메소드 public abstract 추상메소드 성격있음
    public void show();
}
```

(2) Cirlce 클래스

```
package a20_8_18;

public class Circle implements Shape {

    private int r;
    private double res;

    public Circle() {

        public Circle(int r) {
            this.r=r;
     }

    @Override
    public void area() {
            res=r*r*Math.Pf.

    }

    @Override
    public void show() {
        // TODO Auto-generated method stub
        System.out.println("원넓이="+res);
    }
}
```

(3) Triangle 클래스

```
package a20_8_18;
public class Triangle implements Shape {
    int w,h;
    double res;

    public Triangle() {}
    public Triangle(int w, int h) {
        this.w=w;
        this.h=h;
    }
}
```

## (4) Rectangle 클래스

```
package a20_8_18;
public class Rectangle implements Shape {
        int w.h;
         double res;
         public Rectangle() {}
         public Rectangle(int w, int h) {
                 this.w=w;
                 this.h=h;
         @Override
        public void area() {
                 // TODO Auto-generated method stub
                 res=w*h;
         @Override
         public void show() {
                 // TODO Auto-generated method stub
System.out.println("사각형의넓이="+res);
        }
```

## (5) 메인