

Prototype Example from Geeks

```
import java.util.HashMap;
import java.util.Map;
abstract class Color implements Cloneable
{
    protected String colorName;
    abstract void addColor();
    public Object clone()
    {
        Object clone = null;
        try
        {
            clone = super.clone();
        }
        catch (CloneNotSupportedException e)
        {
            e.printStackTrace();
        }
        return clone;
    }
}
```

```
class blackColor extends Color{  
    public blackColor()  
    {  
        this.colorName = "black";  
    }  
    @Override  
    void addColor()  
    {  
        System.out.println("Black color added");  
    }  
}
```

```
class blueColor extends Color  
{  
    public blueColor()  
    {  
        this.colorName = "blue";  
    }  
    @Override  
    void addColor()  
    {  
        System.out.println("Blue color added");  
    }  
}
```

```
import java.util.HashMap;
import java.util.Map;
class ColorStore {
    private static Map<String, Color> colorMap = new HashMap<String, Color>();
    static
    {
        colorMap.put("blue", new blueColor());
        colorMap.put("black", new blackColor());
    }
    public static Color getColor(String colorName)
    {
        return (Color) colorMap.get(colorName).clone();
    }
}
```

```
// Driver class
class Prototype
{
    public static void main (String[] args)
    {
        ColorStore.getColor("blue").addColor();
        ColorStore.getColor("black").addColor();
        ColorStore.getColor("black").addColor();
        ColorStore.getColor("blue").addColor();
    }
}
```

```
Blue color added
Black color added
Black color added
Blue color added
```