**package** snithi.breakprac;  
**import** android.content.Context;  
**import** android.graphics.Canvas;  
**import** android.graphics.Color;  
**import** android.graphics.Paint;  
**import** android.graphics.Rect;  
**import** android.util.DisplayMetrics;  
**import** android.view.View;  
  
**import** java.util.ArrayList;  
**import** java.util.List;  
**import** java.util.Random;  
  
*/\*\*  
 \* Created by SAHITHI on 11/21/2015.  
 \*/***public class** CustomView **extends** View {  
  
 **int increment** = 0;  
  
 DisplayMetrics **metrics** = getResources().getDisplayMetrics();  
  
 **int screen\_width** = **metrics**.**widthPixels**;  
 **int screen\_height** = **metrics**.**heightPixels**;  
 **int top** = 0,**bottom** = 0;  
 **int left** = 0, **right** = 0;  
 **int prev\_val** = -1;  
 Rect **rect**=**null**;  
  
 **private** List<Block> **blocks** = **new** ArrayList<Block>();  
 **public** Paint **white** = **null** ,**blue**=**null**,**black**= **null**, **red**= **null**, **green**=**null**;  
 **public** List<Paint> **colors** = **new** ArrayList<Paint>();  
  
 **public** CustomView(Context context){  
 **super**(context);  
 **white** = **new** Paint();  
 **white**.setColor(Color.***WHITE***);  
 **colors**.add(**white**);  
 **blue** = **new** Paint(Color.***BLUE***);  
 **colors**.add(**blue**);  
 **black** = **new** Paint(Color.***BLACK***);  
 **colors**.add(**black**);  
 **red** = **new** Paint(Color.***RED***);  
 **colors**.add(**red**);  
 **green** = **new** Paint(Color.***GREEN***);  
 **colors**.add(**green**);  
 **for**(**int** row = 0; row<3;row++){  
 **int** sum = 0;  
 **if**(row==0) {  
 System.***out***.println(**"Row 1"**);  
 **increment** = **screen\_width** / 9;  
 *//right = increment;* **top** = 0;  
 **bottom** = **screen\_width**/12;  
 **left** = 0;  
 }  
 **if**(row==1){  
 System.***out***.println(**"Row 2"**);  
 **increment** = **screen\_width**/8;  
 **top** = 13;  
 **bottom** = **top** + **screen\_width**/12;  
 **left** = 0;  
 }  
 **if**(row==2){  
 System.***out***.println(**"Row 3"**);  
 **increment** = **screen\_width**/7;  
 **top** = 26;  
 **bottom** = **top** + **screen\_width**/12;  
 **left** = 0;  
 }  
 **for**(**int** i=0;sum < **screen\_width**;i++) {  
 System.***out***.println(i);  
 Random r = **new** Random();  
 **int** val = r.nextInt(5);  
 **while** (**prev\_val** == val) {  
 r.nextInt(5);  
 }  
 **prev\_val** = val;  
 Paint paint = **colors**.get(val);  
  
  
 **right** += **increment**;  
 *// System.out.println("right" + right);  
 //System.out.println("bottom" + bottom);* **if** (**right** < **screen\_width**) {  
 **rect** = **new** Rect(**left**, **top**, **right**, **bottom**);  
 Block b = **new** Block(paint,row,**left**, **top**, **right**, **bottom**);  
 **blocks**.add(b);  
 }  
 **else** {  
 **right** = **screen\_width**;  
 **rect** = **new** Rect(**left**, **top**, **right**, **bottom**);  
 Block b = **new** Block(paint,row,**left**, **top**, **right**, **bottom**);  
 **blocks**.add(b);  
 }  
 **left** = **right** + 1;  
 sum = sum + **increment**;  
  
 }  
 }  
 }  
  
 @Override  
 **protected void** onDraw(Canvas canvas) {  
  
 **for**(**int** i=0;i<**blocks**.size();i++){  
 Block b = **blocks**.get(i);  
 **rect** = **new** Rect(b.getLeft(),b.getTop(),b.getRight(),b.getBottom());  
 System.***out***.println(**"left"**+b.getLeft()+**" "**+**"right"**+b.getRight());  
 canvas.drawRect(**rect**,b.getPaint());  
  
 }  
  
 }  
}