*Движение кнопки по экрану и ActionBar*

*//Движение кнопки по экрану***package** tva.knastu.com.lab\_2\_3;  
  
**import** android.content.Intent;  
**import** android.support.constraint.ConstraintLayout;  
**import** android.support.v7.app.ActionBar;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.MenuItem;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.Toast;  
  
  
**public class** MainActivity **extends** AppCompatActivity {  
 **private static final** String ***TAG*** = **"my\_tag"**;  
 Button **b1**, **b2**;  
 *// private ConstraintLayout cp;* ConstraintLayout.LayoutParams **params**;  
 **int X**, **Y**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate( savedInstanceState );  
 setContentView( R.layout.***activity\_main*** );  
  
 ActionBar bar = getSupportActionBar();  
  
*//Кнопка как стрелка* bar.setDisplayOptions(ActionBar.***DISPLAY\_SHOW\_HOME*** | ActionBar.***DISPLAY\_SHOW\_TITLE***);  
 bar.setHomeButtonEnabled (**true**);  
 bar.setDisplayHomeAsUpEnabled(**true**);  
 bar.setLogo(R.mipmap.***ic\_launcher***);  
 bar.setIcon(R.mipmap.***ic\_launcher***);  
  
  
  
 **b1** = (Button) findViewById(R.id.***b1***);  
 **b2** = (Button) findViewById(R.id.***b2***);  
  
 **params** = (ConstraintLayout.LayoutParams) **b1**.getLayoutParams();  
 **X** = **params**.**leftMargin**; **Y**=**params**.**topMargin**;  
 }  
  
 @Override  
 **public boolean** onOptionsItemSelected(MenuItem item) {  
 **switch** (item.getItemId()) {  
 **case** android.R.id.***home***:  
 Toast.*makeText*(**this**, **"Кнопка ДОМОЙ"**, Toast.***LENGTH\_LONG***).show();  
 **return true**;  
 **default**:  
 **return super**.onOptionsItemSelected(item);  
 }  
 }  
  
  
  
 **public void** onClick(View view) {  
 **X**+=10; **Y**+=10;  
 **params**.**leftMargin** = **X**;  
 **params**.**topMargin** = **Y**;  
 **b1**.setLayoutParams(**params**);  
 Log.*d*(***TAG***, **"priceY = "** + **Y**);  
 }  
}