

Hybrid Application Development Lab

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Image Switcher - UI

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="codedost.imagechange.MainActivity">

    <ImageView
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:layout_centerHorizontal="true"
        android:id="@+id/img1"/>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/img1"
        android:layout_centerHorizontal="true"
        android:text="Change Image"
        android:id="@+id/button"/>
</RelativeLayout>
```

Image Switcher - Logic

```
public class MainActivity extends AppCompatActivity {  
  
    Button b1;  
    ImageView iv;  
    boolean flag;  
    int images[]={R.drawable.ic1,R.drawable.ic2,R.drawable.ic3};  
    int i=0;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
  
        iv=(ImageView) findViewById(R.id.img1);  
        b1=(Button) findViewById(R.id.button);  
  
        flag=true;  
  
        b1.setOnClickListener(new View.OnClickListener() {  
            @Override  
            public void onClick(View v) {  
                iv.setImageResource(images[i]);  
                i++;  
                if(i==3)  
                    i=0;  
            }  
        });  
    }  
}
```