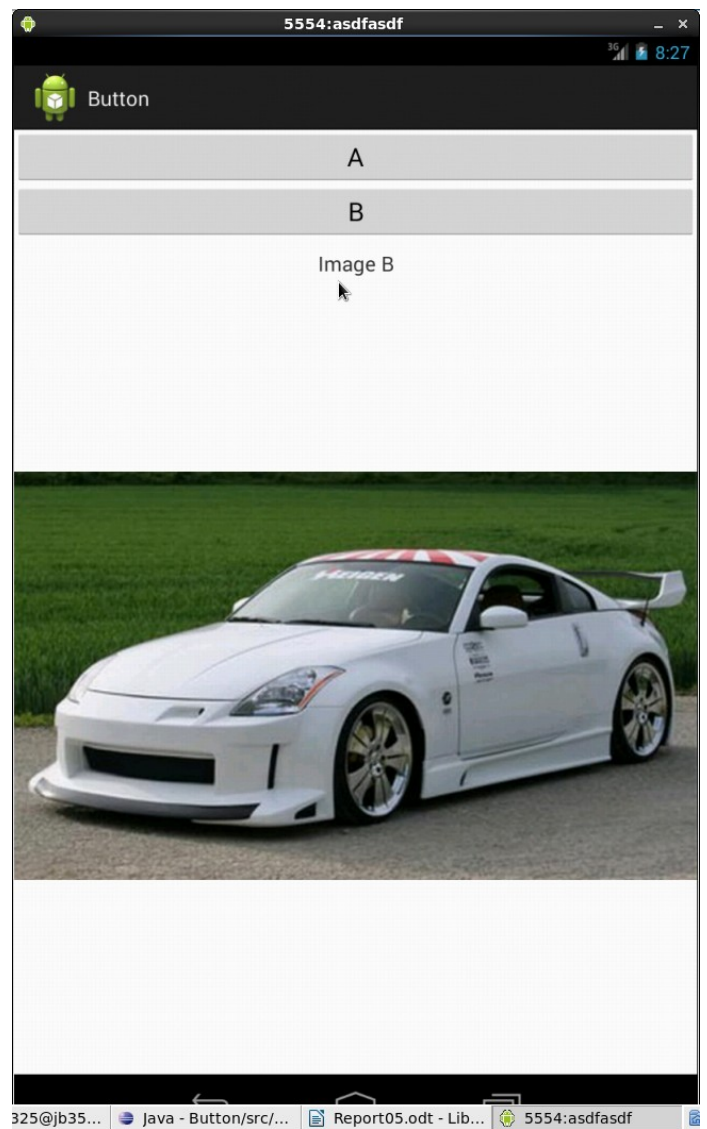
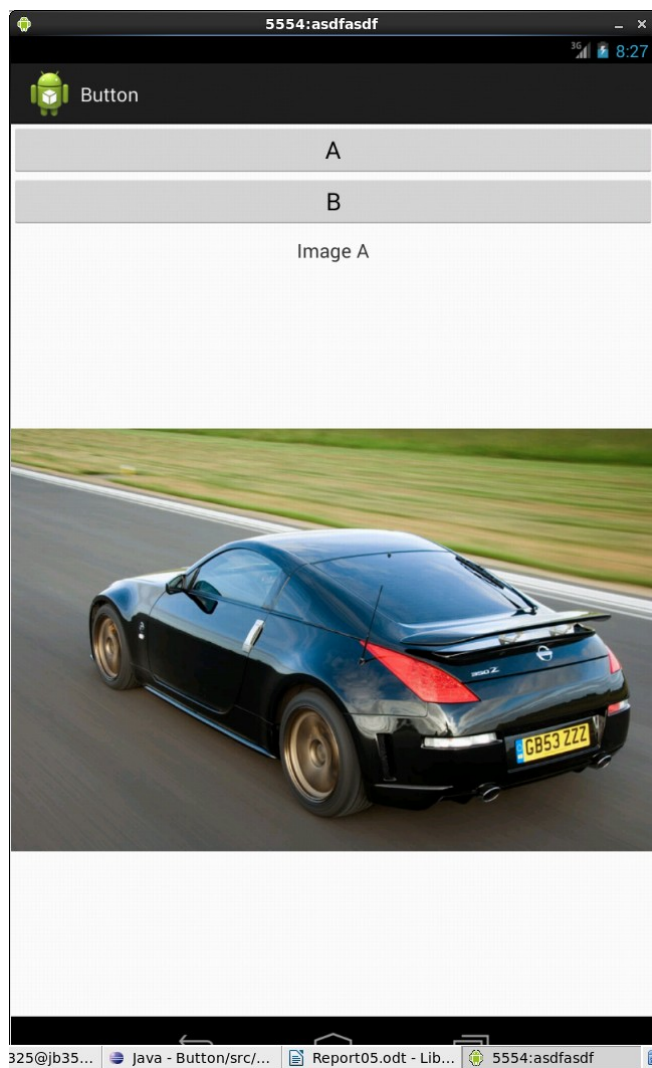


CSE520  
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Lab 05

### Draw a rotating tetrahedron with Android

In this lab, we are to create 2 buttons and show images from the buttons as they are pressed using the Eclipse IDE. I have successfully completed this task, and here is a picture of the following:



Main Activity Code:

```
package opengl.button;

import android.view.View.OnClickListener;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Button;
import android.graphics.Bitmap;
import android.graphics.BitmapFactory;
import opengl.button.R;
import android.app.Activity;
import android.os.Bundle;
import android.view.View;

public class MainActivity extends Activity {
    Button imageButton;
    Button imageButton2;
    Bitmap bitmap;
    Bitmap bitmap2;
    ImageView image;
    TextView message;

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        bitmap = BitmapFactory.decodeResource(this.getResources(),
R.drawable.picture);
        bitmap2 = BitmapFactory.decodeResource(this.getResources(),
R.drawable.picture2);
        addListenerOnButton();
    }
    //define Listeners
    public void addListenerOnButton() {
        imageButton = (Button) findViewById(R.id.imageButton1);
        imageButton2 = (Button) findViewById(R.id.imageButton2);

        imageButton.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View view) {
                message = (TextView) findViewById(R.id.message);
                image = (ImageView) findViewById(R.id.carimage);
                message.setText("Image A");
                image.setImageBitmap(bitmap);
            }
        });

        imageButton2.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View view) {
                message = (TextView) findViewById(R.id.message);
                image = (ImageView) findViewById(R.id.carimage);
                message.setText("Image B");
                image.setImageBitmap(bitmap2);
            }
        });
    }
}
```

```
}  
}
```

activity\_main Code:

```
<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android=  
    "http://schemas.android.com/apk/res/android"  
    android:layout_width="fill_parent"  
    android:layout_height="fill_parent"  
    android:orientation="vertical" >  
  
    <Button  
        android:id="@+id/imageButton1"  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:text="A"  
        android:textSize="10pt" >  
    </Button>  
    <Button  
        android:id="@+id/imageButton2"  
        android:layout_height="wrap_content"  
        android:layout_width="match_parent"  
        android:text="B"  
        android:textSize="10pt" >  
    </Button>  
    <TextView  
        android:layout_height="wrap_content"  
        android:layout_width="match_parent"  
        android:layout_marginLeft="6pt"  
        android:layout_marginRight="6pt"  
        android:textSize="8pt"  
        android:layout_marginTop="4pt"  
        android:id="@+id/message"  
        android:gravity="center_horizontal">  
    </TextView>  
    <ImageView  
        android:layout_height="fill_parent"  
        android:layout_width="fill_parent"  
        android:id="@+id/carimage">  
    </ImageView>  
  
</LinearLayout>
```