

activity_main.xml

```
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout_width="match_parent"

android:layout_height="match_parent"

tools:context=".MainActivity"
>

<androidx.appcompat.widget.AppCompatButton

android:id="@+id/button1"

android:layout_width="204dp"

android:layout_height="58dp"

android:layout_alignParentBottom="true"

android:layout_centerHorizontal="true"

android:layout_marginBottom="52dp"

android:background="@drawable/shape"
    android:text="Take a Photo"></androidx.appcompat.widget.AppCompatButton>

<androidx.appcompat.widget.AppCompatImageView

android:id="@+id/imageView1"

android:layout_width="393dp"

android:layout_height="452dp
```

```
"

    android:layout_above="@+id/button1"

    android:layout_alignParentStart="true"

    android:layout_alignParentLeft="true"

    android:layout_alignParentTop="true"

    android:layout_alignParentEnd="true"

    android:layout_alignParentRight="true"

    android:layout_marginStart="8dp"

    android:layout_marginLeft="8dp"

    android:layout_marginTop="84dp"

    android:layout_marginEnd="9dp"

    android:layout_marginRight="9dp"

    android:layout_marginBottom="86dp"

    android:background="@drawable/shape_new"></androidx.appcompat.widget.AppCompatImageView>
</RelativeLayout>
```

MainActivity.java

```
package
com.example.cameraapp;

import android.app.Activity;
import
android.content.Intent;
import
android.graphics.Bitmap;
import android.os.Bundle;
import android.view.Menu;
import android.view.View;
import
android.widget.Button;
import
android.widget.ImageView;

public class MainActivity
extends Activity {
    private static final int
CAMERA_REQUEST = 100;
    ImageView imageView;
    public void
onCreate(Bundle
savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.acti
vity_main);

        imageView =
        (ImageView)
        this.findViewById(R.id.image
View1);
        Button photoButton =
        (Button)
        this.findViewById(R.id.butto
n1);

    photoButton.setOnClickListener(new
View.OnClickListener() {
        @Override
        public void
onClick(View v) {
            Intent
cameraIntent = new
Intent(android.provider.Medi
aStore.ACTION_IMAGE_CAPTURE)
```

```
;

    startActivityForResult(camer
aIntent, CAMERA_REQUEST);
        }
    });
}

    protected void
onActivityResult(int
requestCode, int resultCode,
Intent data) {
        if (requestCode ==
CAMERA_REQUEST) {
            Bitmap photo =
            (Bitmap)
            data.getExtras().get("data")
;

            imageView.setImageBitmap(pho
to);
        }

        @Override
        public boolean
onOptionsItemSelected (Menu
menu) {

            getMenuInflater().inflate(R.
menu.activity_main, menu);
            return true;
        }
    }
}
```

OUTPUT

