

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="20dp">

    <ImageView
        android:id="@+id/image"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        android:background="#19CA20"
        android:layout_gravity="center_horizontal" />

    <Button
        android:id="@+id/button"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Capture Image"
        android:layout_gravity="center_horizontal"
        android:layout_marginTop="20dp"
        android:onClick="captureImage" />

</LinearLayout>

```

```

package com.training.captureimageexample;

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.graphics.Bitmap;
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.View;
import android.widget.ImageView;
import android.widget.Toast;

import java.util.BitSet;

public class MainActivity extends AppCompatActivity {

    private static final int REQUEST_CODE_CAMERA=1;
    ImageView imageView;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        imageView=(ImageView) findViewById(R.id.image);
    }
}

```

```
public void captureImage(View view)
{
    Intent cameraIntent=new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
    startActivityForResult(cameraIntent,REQUEST_CODE_CAMERA);
}

@Override
protected void onActivityResult(int requestCode, int resultCode,
@Nullable Intent data) {
    if(requestCode==REQUEST_CODE_CAMERA)
    {
        if(resultCode==RESULT_OK)
        {
            Bitmap bitmap=(Bitmap) data.getExtras().get("data");
            imageView.setImageBitmap(bitmap);
        }
        else
        {
            Toast.makeText(this, "cancelled by user",
Toast.LENGTH_SHORT).show();
        }
    }
    super.onActivityResult(requestCode, resultCode, data);
}
}
```