MainActivity.Java

package com.example.cameraapplication;

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.Button;

import android.widget.ImageView;

public class MainActivity extends AppCompatActivity {

ImageView iv;

Button b;

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

iv=findViewById(R.id.imageView);

b=findViewById(R.id.button);

b.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent imagecaputre=new

Intent(MediaStore.ACTION\_IMAGE\_CAPTURE);

startActivityForResult(imagecaputre,0);

}

});

}

@Override

protected void onActivityResult(int requestCode, int resultCode,

@Nullable Intent data) {

super.onActivityResult(requestCode, resultCode, data);

Bitmap photo=(Bitmap)data.getExtras().get("data");

iv.setImageBitmap(photo);

}

}

activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout

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

xmlns:app="http://schemas.android.com/apk/res-auto"

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<ImageView

android:id="@+id/imageView"

android:layout\_width="190dp"

android:layout\_height="201dp"

android:layout\_marginStart="101dp"

android:layout\_marginLeft="101dp"

android:layout\_marginTop="151dp"

android:layout\_marginEnd="120dp"

android:layout\_marginRight="120dp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:srcCompat="@drawable/ic\_launcher\_background" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="120dp"

android:text="Capture Image"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/imageView" />

</androidx.constraintlayout.widget.ConstraintLayout>