**Date :- / /**

**Practical No :- 10**

**Practical Name :-** . **Develop android application to take a picture using native application.**

**Roll No :- 24**

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* **CODE :-**

**Acitivity\_main.xml :-**

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout 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">  
  
 <Button  
 android:id="@+id/button1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:text="Take a Photo"  
 android:onClick="onActivityResult" >  
 </Button>  
  
 <ImageView  
 android:id="@+id/imageView1"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="fill\_parent"  
 android:layout\_above="@+id/button1"  
 android:layout\_alignParentTop="true"  
 android:src="@drawable/ic\_launcher\_background" >  
 </ImageView>  
  
</RelativeLayout>

**MainAcitivity.java :-**

package com.example.camera;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
import android.content.Intent;  
import android.graphics.Bitmap;  
  
import android.view.Menu;  
import android.view.View;  
import android.widget.Button;  
import android.widget.ImageView;  
  
public class MainActivity extends AppCompatActivity {  
 private static final int *CAMERA\_REQUEST* = 1888;  
 ImageView imageView;  
 public void onCreate(Bundle savedInstanceState) {  
  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 imageView = (ImageView) this.findViewById(R.id.*imageView1*);  
 Button photoButton = (Button) this.findViewById(R.id.*button1*);  
  
 photoButton.setOnClickListener(new View.OnClickListener() {  
  
 @Override  
 public void onClick(View v) {  
 Intent cameraIntent = new Intent(android.provider.MediaStore.*ACTION\_IMAGE\_CAPTURE*);  
 startActivityForResult(cameraIntent, *CAMERA\_REQUEST*);  
 }  
 });  
 }  
  
 protected void onActivityResult(int requestCode, int resultCode, Intent data) {  
 super.onActivityResult(requestCode, resultCode, data);  
 if (requestCode == *CAMERA\_REQUEST*) {  
 Bitmap photo = (Bitmap) data.getExtras().get("data");  
 imageView.setImageBitmap(photo);  
 }  
 }  
  
 @Override  
 public boolean onCreateOptionsMenu(Menu menu) {  
 // Inflate the menu; this adds items to the action bar if it is present.  
 getMenuInflater().inflate(R.menu.*activity\_main*, menu);  
 return true;  
 }  
  
}

* **OUTPUT :-**

  