**PR-21**

**21 Develop a program to capture image using Camera.**

**XML Code**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:padding="16dp">  
  
 <Button  
 android:id="@+id/captureButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Capture Image"  
 android:padding="10dp"  
 android:textSize="18sp"/>  
  
 <ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="250dp"  
 android:layout\_height="250dp"  
 android:layout\_marginTop="20dp"  
 android:scaleType="centerCrop"  
 android:background="#CCCCCC"/>  
</LinearLayout>

**Java Code**

package com.example.pr21\_capture\_image;  
  
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.widget.Button;  
import android.widget.ImageView;  
  
public class MainActivity extends AppCompatActivity {  
  
 private static final int *CAMERA\_REQUEST* = 100;  
 ImageView imageView;  
 Button captureBtn;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 imageView = findViewById(R.id.*imageView*);  
 captureBtn = findViewById(R.id.*captureButton*);  
  
 captureBtn.setOnClickListener(v -> {  
 Intent intent = new Intent(MediaStore.*ACTION\_IMAGE\_CAPTURE*);  
 startActivityForResult(intent, *CAMERA\_REQUEST*);  
 });  
 }  
  
 @Override  
 protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {  
 super.onActivityResult(requestCode, resultCode, data);  
  
 if (requestCode == *CAMERA\_REQUEST* && resultCode == *RESULT\_OK* && data != null) {  
 Bitmap photo = (Bitmap) data.getExtras().get("data");  
 imageView.setImageBitmap(photo);  
 }  
 }  
}