Practical 23

MainActivity.java

```java
package com.example.practical23;

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 {

    Button b;

    ImageView iv;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        b=findViewById(R.id.button);

        iv=findViewById(R.id.imagev);

        View.OnClickListener cl=new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Intent ci=new Intent(MediaStore.ACTION_IMAGE_CAPTURE);

                startActivityForResult(ci,1111);

            }

        };

        b.setOnClickListener(cl);

    }

    @Override
```

```java
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {

        super.onActivityResult(requestCode, resultCode, data);

        if(requestCode==1111)

        {

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

            iv.setImageBitmap(img);

        }

    }

}
```

Activity_main.xml

```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">

    <ImageView
        android:id="@+id/imagev"
        android:layout_height="500dp"
        android:layout_width="match_parent"/>

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Capture"
        android:layout_below="@id/imagev"
        android:layout_centerHorizontal="true"/>

</RelativeLayout>
```

OUTPUT