**CAMERA CODE:**

**package** com.example.cameraapp;  
  
**import** androidx.annotation.Nullable;  
**import** androidx.appcompat.app.AppCompatActivity;  
**import** androidx.constraintlayout.widget.ConstraintLayout;  
  
**import** android.content.Intent;  
**import** android.graphics.Bitmap;  
**import** android.graphics.drawable.BitmapDrawable;  
**import** android.os.Bundle;  
**import** android.provider.MediaStore;  
**import** android.view.View;  
**import** android.widget.Button;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 Button **click**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **click**=findViewById( R.id.***button*** );  
  
 **click**.setOnClickListener( **new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 Intent t=**new** Intent( MediaStore.***ACTION\_IMAGE\_CAPTURE***);  
 startActivityForResult( t,1 );  
 }  
 } );  
 }  
  
  
 @Override  
 **protected void** onActivityResult(**int** requestCode, **int** resultCode, @Nullable Intent data) {  
 **if**(requestCode==1 && resultCode==***RESULT\_OK***)  
 {  
 Bundle extra=data.getExtras();  
 Bitmap image=(Bitmap)extra.get( **"data"** );  
 BitmapDrawable drawable=**new** BitmapDrawable( image );  
 ConstraintLayout r=findViewById( R.id.***c1***);  
 r.setBackground(drawable );  
 }  
 **super**.onActivityResult( requestCode, resultCode, data );  
 }  
 }

//activity\_main.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="**[**http://schemas.android.com/apk/res/android**](http://schemas.android.com/apk/res/android)**"  
 xmlns:app="**[**http://schemas.android.com/apk/res-auto**](http://schemas.android.com/apk/res-auto)**"  
 xmlns:tools="**[**http://schemas.android.com/tools**](http://schemas.android.com/tools)**"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:id="@+id/c1"  
 tools:context=".MainActivity"**>  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="CLICK"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

//AndroidManifest.xml

<**uses-permission android:name="android.permission.CAMERA"**/>  
<**uses-feature android:name="android.hardware.camera.autofocus"**/>

**DATE PICKER AND SPINNER:**

**package** com.example.date\_picker\_app;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.AdapterView;  
**import** android.widget.ArrayAdapter;  
**import** android.widget.DatePicker;  
**import** android.widget.ListView;  
**import** android.widget.Spinner;  
**import** android.widget.Toast;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**public class** MainActivity **extends** AppCompatActivity **implements** AdapterView.OnItemSelectedListener {  
 ArrayAdapter **ad**;  
 DatePicker **d**;  
 String **s2**[]={**"cse"**,**"ec"**,**"ise"**,**"ee"**,**"me"**};  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **d**=findViewById(R.id.***dp***);  
 Spinner s=findViewById( R.id.***spinner*** );  
 s.setOnItemSelectedListener(**this**);  
 **ad**=**new** ArrayAdapter(**this**, androidx.appcompat.R.layout.*support\_simple\_spinner\_dropdown\_item*,**s2**);  
 s.setAdapter( **ad** );  
 }  
  
 @Override  
 **public void** onItemSelected(AdapterView<?> adapterView, View view, **int** i, **long** l) {  
 String s1=**ad**.getItem( i ).toString();  
 *//Toast.makeText( getApplicationContext(),s1, Toast.LENGTH\_SHORT).show();* String dat=**d**.getDayOfMonth()+**"-"**+(**d**.getMonth()+1)+**"-"**+**d**.getYear();  
 String tost=**" Joined on : "**+dat+**" and selected course: "**+s1;  
 Toast.*makeText*( getApplicationContext(),tost,Toast.***LENGTH\_SHORT*** ).show();  
 }  
 @Override  
 **public void** onNothingSelected(AdapterView<?> adapterView) {  
  
 }  
}

//activitymain.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="**[**http://schemas.android.com/apk/res/android**](http://schemas.android.com/apk/res/android)**"  
 xmlns:app="**[**http://schemas.android.com/apk/res-auto**](http://schemas.android.com/apk/res-auto)**"  
 xmlns:tools="**[**http://schemas.android.com/tools**](http://schemas.android.com/tools)**"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**DatePicker  
 android:id="@+id/dp"  
 android:layout\_width="323dp"  
 android:layout\_height="424dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.596"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.212"** />  
  
 <**Spinner  
 android:id="@+id/spinner"  
 android:layout\_width="319dp"  
 android:layout\_height="49dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.862"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>