

**Question**

Create the media API in android to play a video file.

**Activity\_main.xml****Drag and drop VideoView and Button from Palette**

```
<?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">

    <VideoView
        android:id="@+id/videoView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />

    <Button
        android:id="@+id/btnPlay"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="151dp"
        android:layout_marginRight="151dp"
        android:layout_marginBottom="274dp"
        android:onClick="playVideo"
        android:text="Play Video" />

</RelativeLayout>
```

**Main\_Activity.java**

```
package com.maharashtracollege.profmohdshahid;
import androidx.appcompat.app.AppCompatActivity;
import android.media.MediaPlayer;
import android.net.Uri;
import android.os.Bundle;
import android.os.Environment;
import android.util.Log;
```

```
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.MediaController;
import android.widget.Toast;
import android.widget.VideoView;

public class MainActivity extends AppCompatActivity {

    VideoView videoview;
    Button btn;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void playVideo(View view)
    {
        videoview = (VideoView) findViewById(R.id.videoView);

        try {

            MediaController mediacontroller = new MediaController(
                MainActivity.this);
            mediacontroller.setAnchorView(videoview);

            Uri uri = Uri.parse("android.resource://" + getPackageName() + "/" + R.raw.myvideo);
            videoview.setMediaController(mediacontroller);
            videoview.setVideoURI(uri);

        } catch (Exception e) {
            Log.e("Error", e.getMessage());
            e.printStackTrace();
        }
        videoview.requestFocus();
        videoview.setOnPreparedListener(new MediaPlayer.OnPreparedListener() {

            public void onPrepared(MediaPlayer mp) {

                videoview.start();
            }
        });
    }
}
```

Note: For this practical we to copy the .mp4 file and create the folder raw in the res as follows

