Practical: 6

AIM: Create a Video player application.

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activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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/my_video_view"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/btn_floating"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_margin="50dp"
        android:src="@drawable/ic_baseline_photo_24"
        />
</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_youtube.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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=".YoutubeActivity">
    <WebView
        android:id="@+id/my_web_view"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/btn_floating"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_margin="50dp"
        android:src="@drawable/ic_baseline_photo_24"
        />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.kt

```
package com.example.madpractical6_21012022022

import android.content.Intent
import android.net.Uri
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.MediaController
import android.widget.VideoView
import com.google.android.material.floatingactionbutton.FloatingActionButton

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        val myVideoView = findViewById<VideoView>(R.id.my_video_view)
        val btnFloatingButton=findViewById<FloatingActionButton>(R.id.btn_floating)

        val mediaController = MediaController(this)
        val uri:Uri= Uri.parse("android.resource://"+packageName+"/"+R.raw.thestoryoflight)
        myVideoView.setMediaController(mediaController)
        mediaController.setAnchorView(myVideoView)
        myVideoView.setVideoURI(uri)
        myVideoView.requestFocus()
        myVideoView.start()

        btnFloatingButton.setOnClickListener {
            Intent(this,YoutubeActivity::class.java).apply {
                startActivity(this)
            }
        }
    }
}
```

YoutubeActivity.kt

```
package com.example.madpractical6_21012022022

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.webkit.WebSettings
import android.webkit.WebView
import com.google.android.material.floatingactionbutton.FloatingActionButton

class YoutubeActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_youtube)

        val myWebView = findViewById<WebView>(R.id.my_web_view)
        val btnFloatingButton=findViewById<FloatingActionButton>(R.id.btn_floating)
        val youtubrId="kBdlM6hNDAE"
        val webSettings:WebSettings=myWebView.settings
        webSettings.javaScriptEnabled=true
        webSettings.loadWithOverviewMode=true
        webSettings.useWideViewPort=true
        myWebView.loadUrl("https://www.youtube.com/embed/"+youtubrId)

        btnFloatingButton.setOnClickListener {
            Intent(this,MainActivity::class.java).apply {
                startActivity(this)
            }
        }
    }
}
```
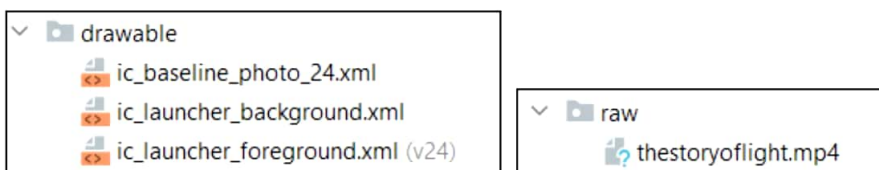
Resource:

Output: