Practical: 7

AIM- Create an Video player application by following below instructions.

1. Create MainActivity and YoutubeActivity with landscape orientation.
2. MainActivity should have VideoView and YoutubeActivity should have WebView.
3. There should be Floating Button on both Activities according to below image.

After pressing that button, it will switch from ne activity to another activity by using

explicit intent.

4. Add Internet Permssion in Manifest file.

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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/video"
        android:layout_width="match_parent"
        android:layout_height="match_parent">
    </VideoView>

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/floatingActionButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:clickable="true"
        android:layout_marginEnd="20dp"
        android:layout_marginBottom="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:srcCompat="@drawable/baseline_switch_video_24" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Activiy_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/YtVideo"
        android:layout_width="match_parent"
```

```
        android:layout_height="match_parent">
    </WebView>

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/floatingActionButton2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:clickable="true"
        android:layout_marginEnd="20dp"
        android:layout_marginBottom="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:srcCompat="@drawable/baseline_switch_video_24" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.kt :-

```
package com.example.mad_practical_7_21012021012

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 : VideoView = findViewById(R.id.video)
        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()

        val button = findViewById<FloatingActionButton>(R.id.floatingActionButton)
        button.setOnClickListener {
```

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

YoutubeActivity.kt :-

```kotlin
package com.example.mad_practical_7_21012021012

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 youtubeId = "fJn9B64Znrk"
        val youtubeWebView : WebView = findViewById(R.id.YtVideo)
        val webSettings : WebSettings = youtubeWebView.settings
        webSettings.javaScriptEnabled = true
        webSettings.loadWithOverviewMode = true
        webSettings.useWideViewPort = true
        youtubeWebView.loadUrl("https://www.youtube.com/embed/$youtubeId")

        val button = findViewById<FloatingActionButton>(R.id.floatingActionButton2)
        button.setOnClickListener {
            Intent(this,MainActivity::class.java).apply { startActivity(this) }
        }
    }
}
```

AndroidManifest.xml :-

```xml
<uses-permission android:name="android.permission.INTERNET"/>
```

Output :-