# Experiment-10

**Aim: Create an application to play video in android.**

**Procedure:**

**Creating a New project:**

- Open Android Studio and then click on File -> New -> New project.
- Then select the Empty Activity and click Next.
- Then type the Application name as "videoact", select the Minimum SDK and select language as Java then click Finish

**Designing layout for the Android Application:**

- Click on app -> res -> layout -> activity_main.xml and write the following code

**Code for Activity_main.xml:**

```
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:tools="http://schemas.android.com/tools"

    android:id="@+id/activity_main"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    tools:context="com.garima.videoact.MainActivity">

    <LinearLayout

        android:orientation="vertical"

        android:layout_width="match_parent"

        android:layout_height="match_parent">

        <Button

            android:text="Play"

            android:layout_width="match_parent"

            android:layout_height="wrap_content"
```

android:id="@+id/btnPlay"

android:onClick="playVideo" />

<VideoView

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:id="@+id/videoView" />

</LinearLayout>

</RelativeLayout>

**So now the designing part is completed.**

**Java Coding for the Android Application:**

Click on app -> java -> com.garima.videoact -> MainActivity.

**Code for MainActivity.java:**

```
package com.garima.videoact;

import  android.net.Uri;

import android.os.Bundle;

import android.view.View;

import android.widget.MediaController;

import android.widget.VideoView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    //create class reference

    VideoView vid;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);
```

```java
        setContentView(R.layout.activity_main);

        vid = (VideoView)findViewById(R.id.videoView);

    }

    public void playVideo(View v) {

        MediaController m = new

        MediaController(this);

        vid.setMediaController(m);

        String path =

        "android.resource://com.garima.videoact/"+R.raw.gulabo;

        Uri u = Uri.parse(path);

        vid.set

        VideoU

        RI(u);

        vid.star

        t();

    }

}
```