



Android Class

#Android Notes

Video Player In Android

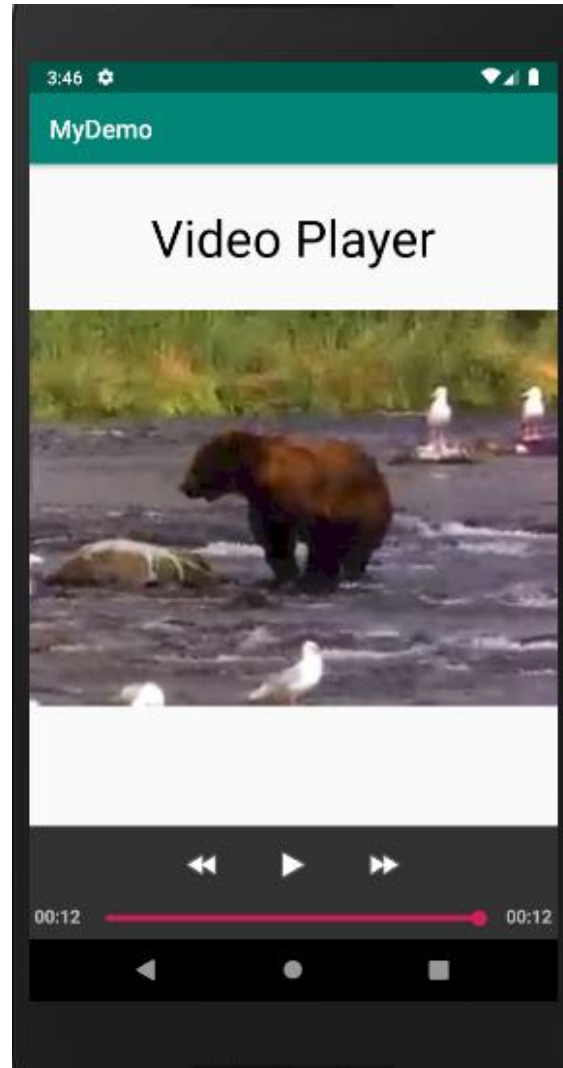


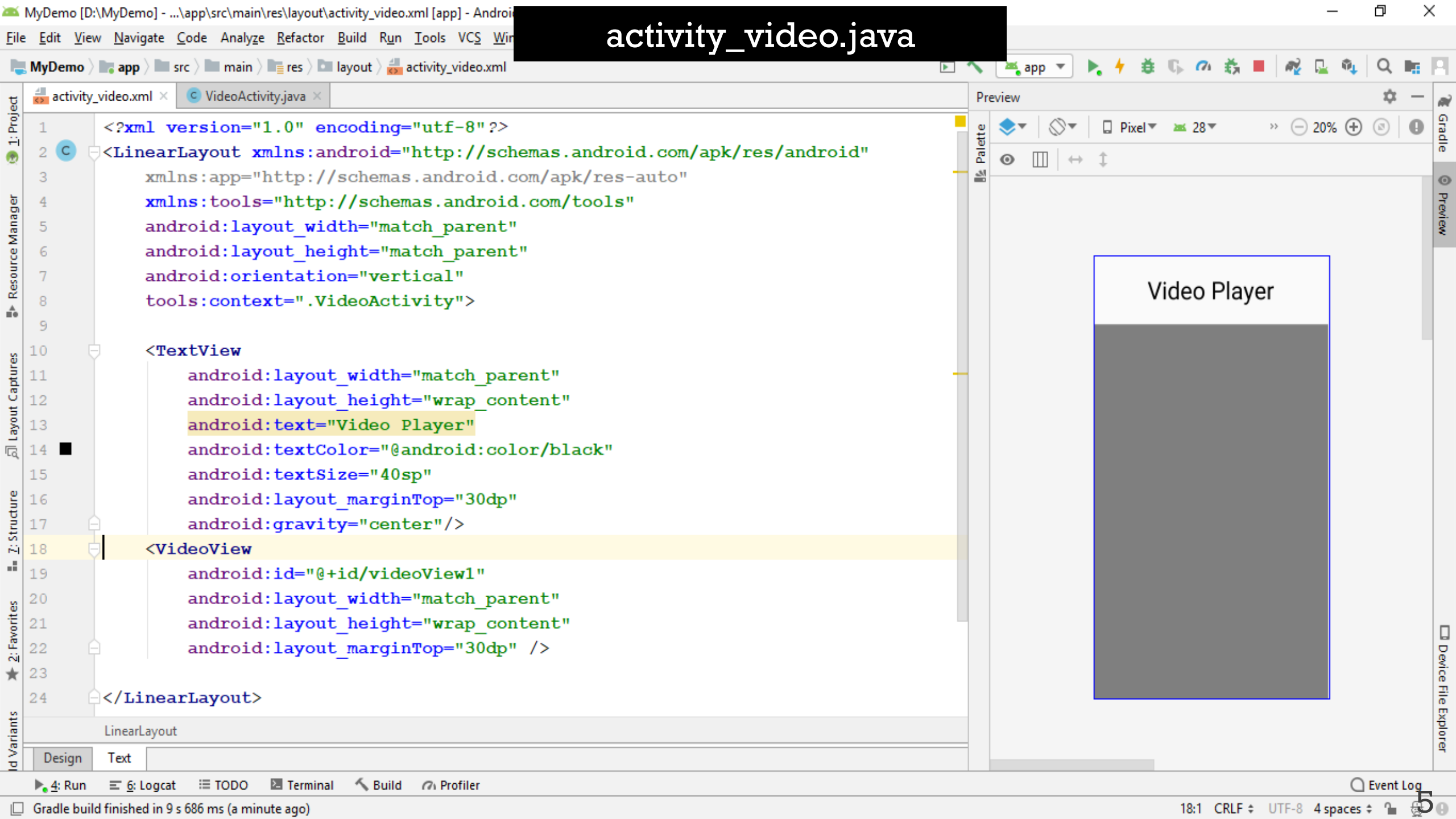
Video Player

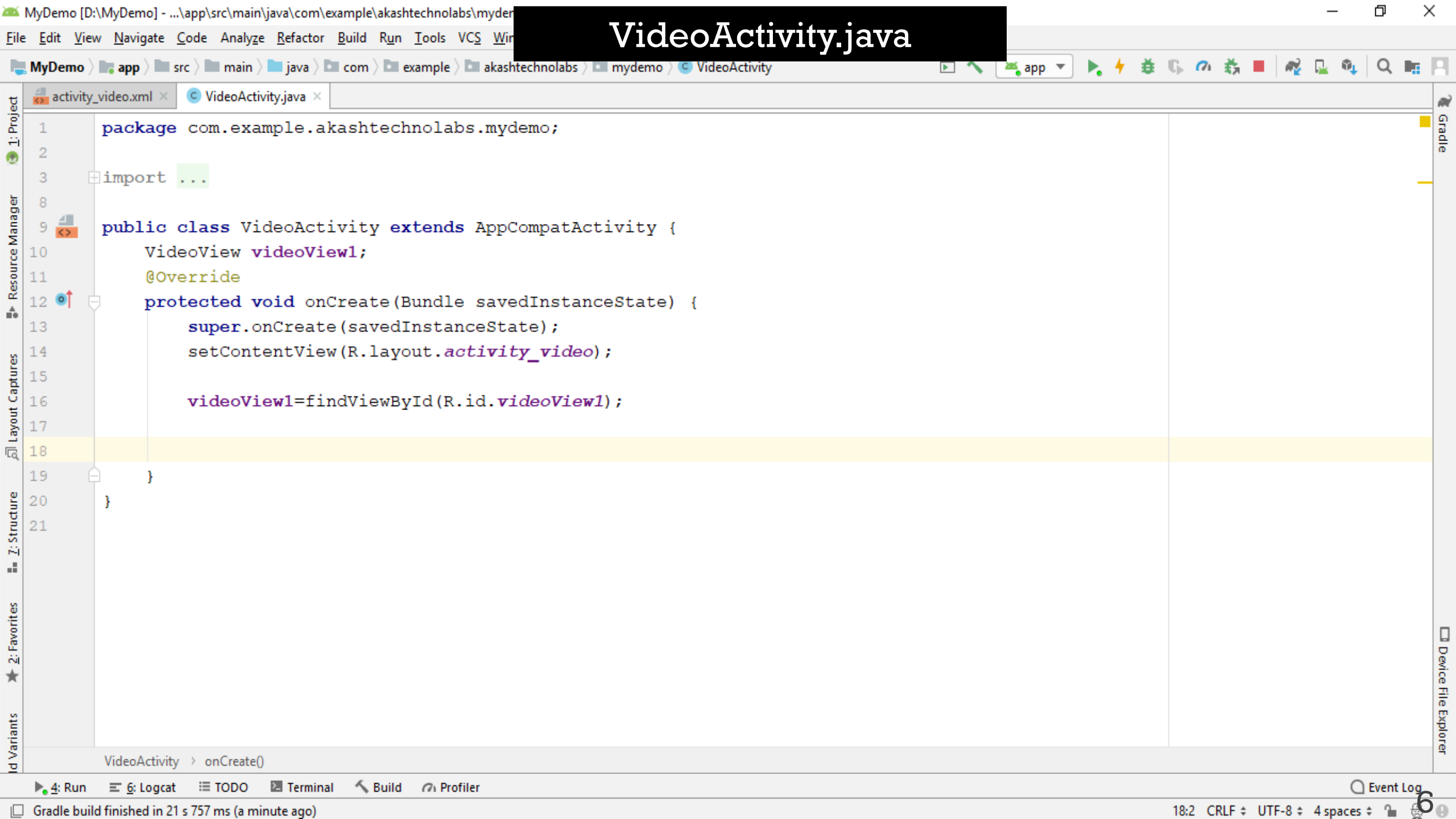
- In android , **VideoView** component and **MediaController** class is used to **implement the video player** in android applications to play the videos with multiple playback options, such as play, pause, forward, backward, etc.

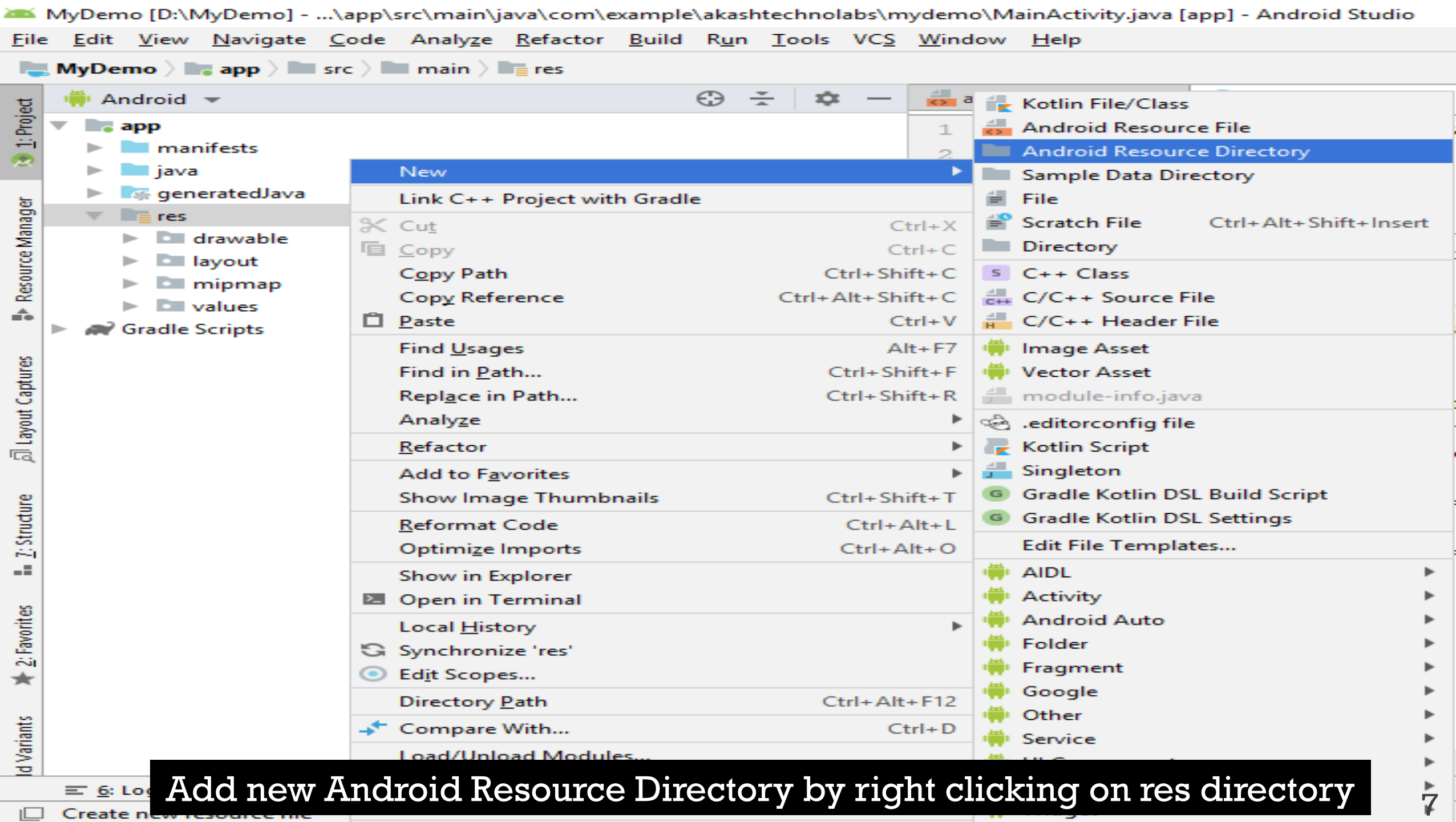


Example

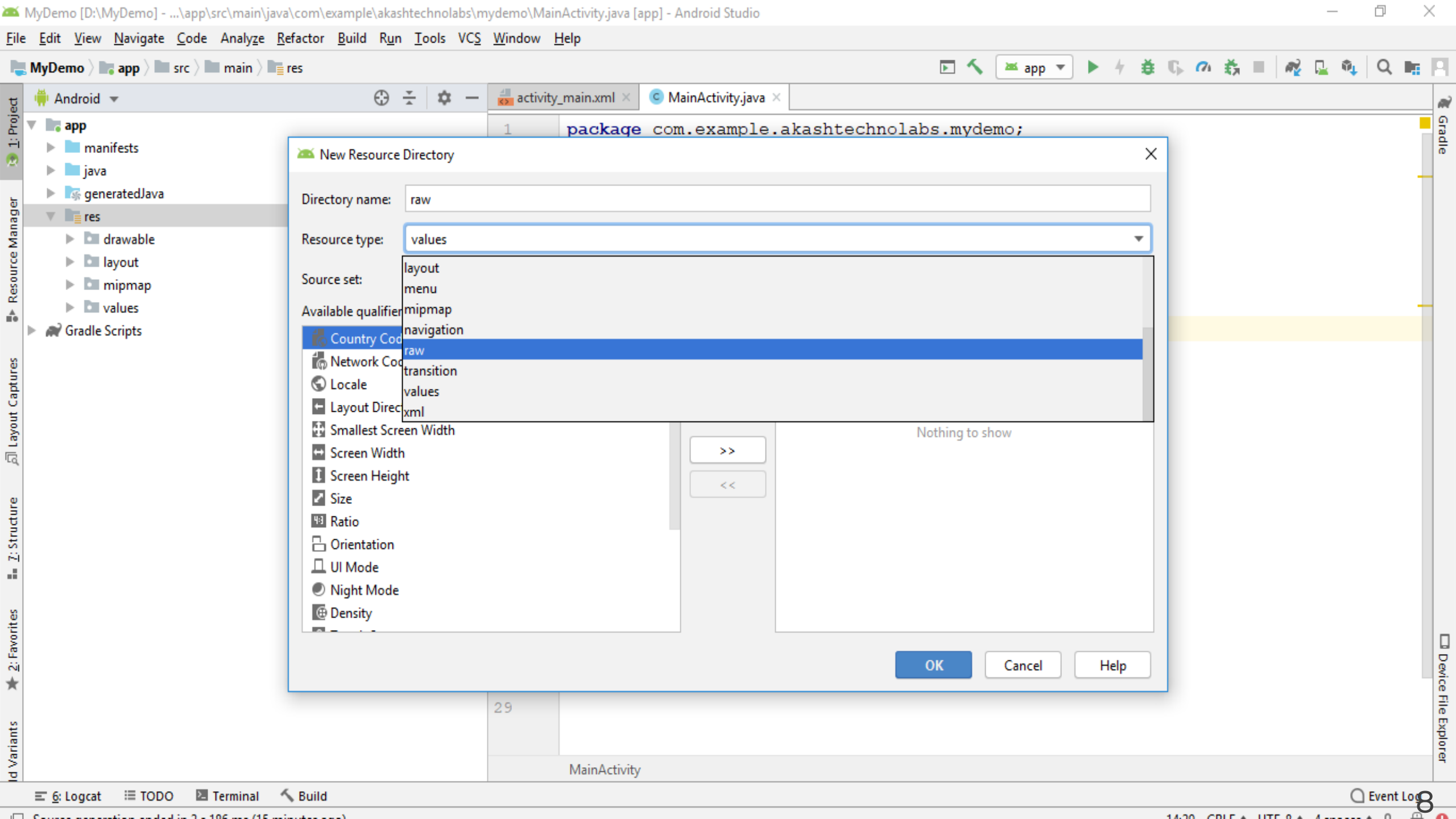


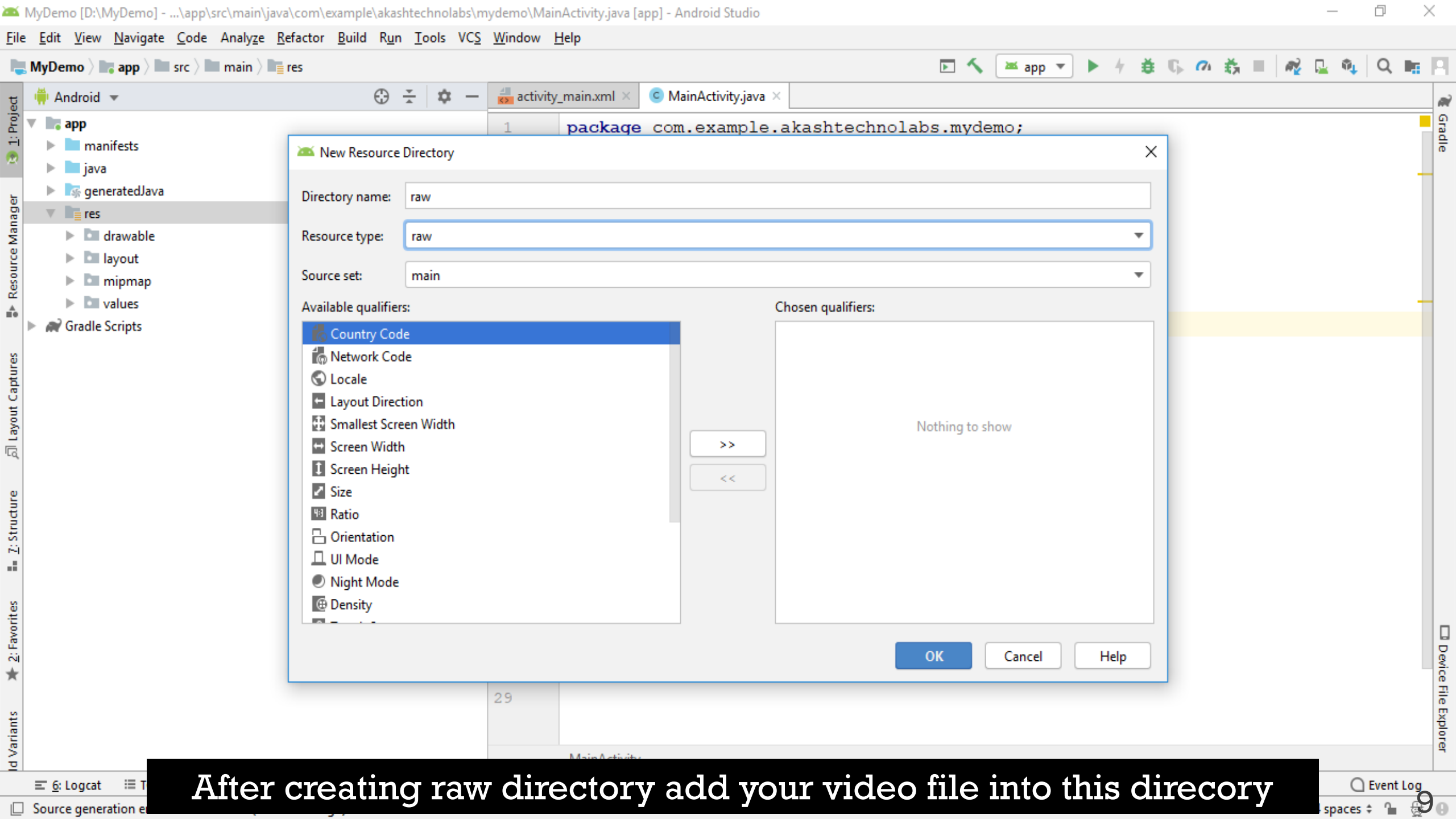






Add new Android Resource Directory by right clicking on res directory





After creating raw directory add your video file into this direcorry

```
1 package com.example.akashtechlabs.mydemo;
2
3 import ...
4
5
6
7
8
9 public class VideoActivity extends AppCompatActivity {
10     TextView textView1;
11     @Override
12     protected void onCreate(Bundle savedInstanceState) {
13         super.onCreate(savedInstanceState);
14         setContentView(R.layout.activity_video);
15
16         textView1=findViewById(R.id.textView1);
17
18         //MediaController class is used to enable play, pause & forward options.
19         MediaController mediaController= new MediaController(context, this);
20
21
22     }
23 }
24
```

```
activity_video.xml x VideoActivity.java x
2
3 import ...
8
9 public class VideoActivity extends AppCompatActivity {
10     VideoView videoView1;
11     @Override
12     protected void onCreate(Bundle savedInstanceState) {
13         super.onCreate(savedInstanceState);
14         setContentView(R.layout.activity_video);
15
16         videoView1=findViewById(R.id.videoView1);
17
18         //MediaController class is used to enable play, pause & forward options.
19         MediaController mediaController= new MediaController(context: this);
20
21         //setAnchorView() method is used to link the media controller to the video view.
22         mediaController.setAnchorView(videoView1);
23
24     }
25 }
26
```

VideoActivity > onCreate()

```
15
16     videoView1=findViewById(R.id.videoView1);
17
18     //MediaController class is used to enable play, pause & forward options.
19     MediaController mediaController= new MediaController( context: this);
20
21     //setAnchorView() method is used to link the media controller to the video view.
22     mediaController.setAnchorView(videoView1);
23
24     // To set the path to the video
25     Uri uri = Uri.parse("android.resource://" + getPackageName() + "/" + R.raw.movie);
26
27     //Starting VideoView By Setting MediaController and URI
28     videoView1.setMediaController(mediaController);
29
30
31
32
33 }
34
35 }
```

VideoActivity > onCreate()

```
//MediaController class is used to enable play, pause & forward options.
MediaController mediaController= new MediaController( context: this);

//setAnchorView() method is used to link the media controller to the video view.
mediaController.setAnchorView(videoView1);

// To set the path to the video
Uri uri = Uri.parse("android.resource://" + getPackageName() + "/" + R.raw.movie);

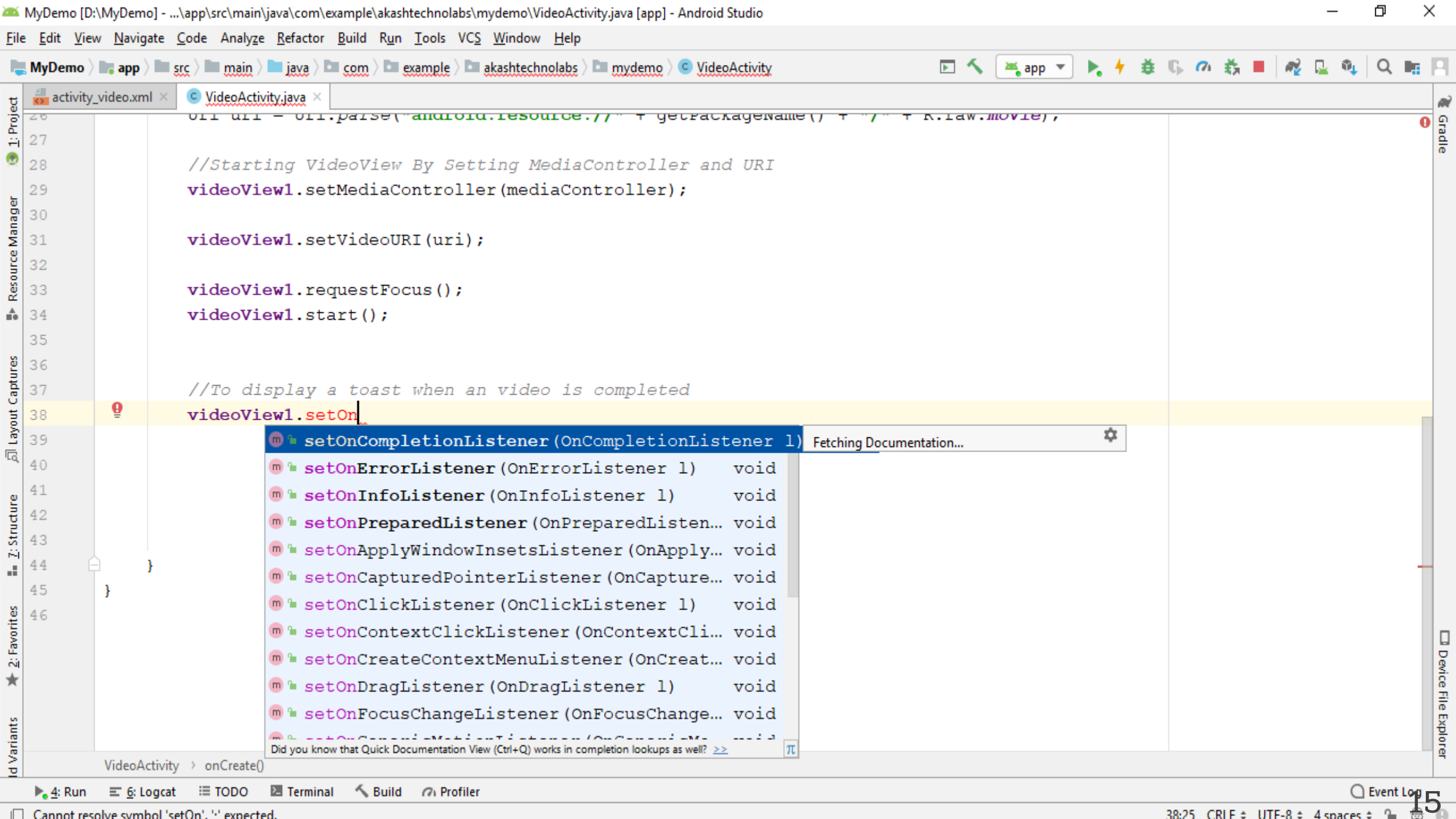
//Starting VideoView By Setting MediaController and URI
videoView1.setMediaController(mediaController);

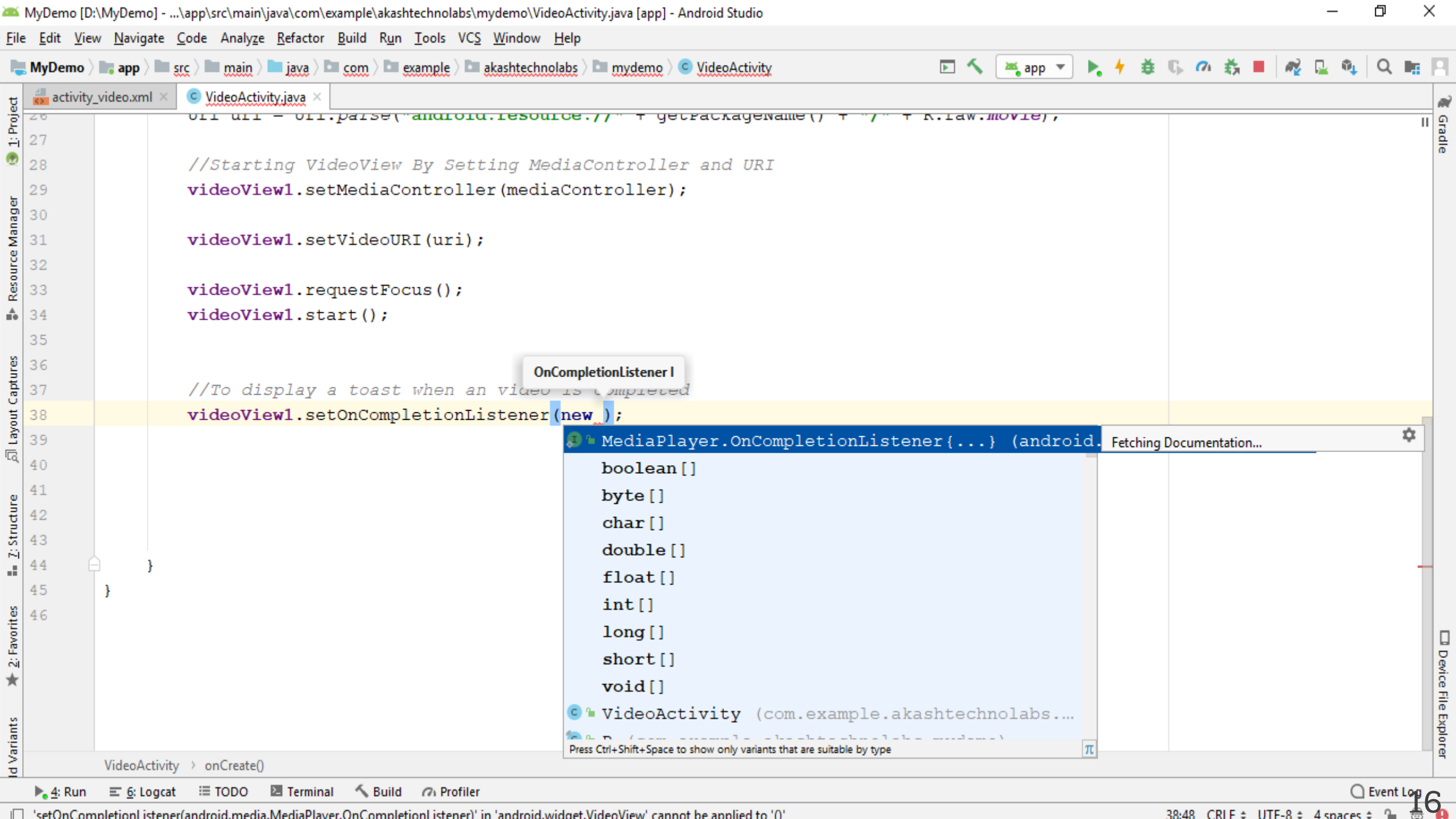
videoView1.setVideoURI(uri);

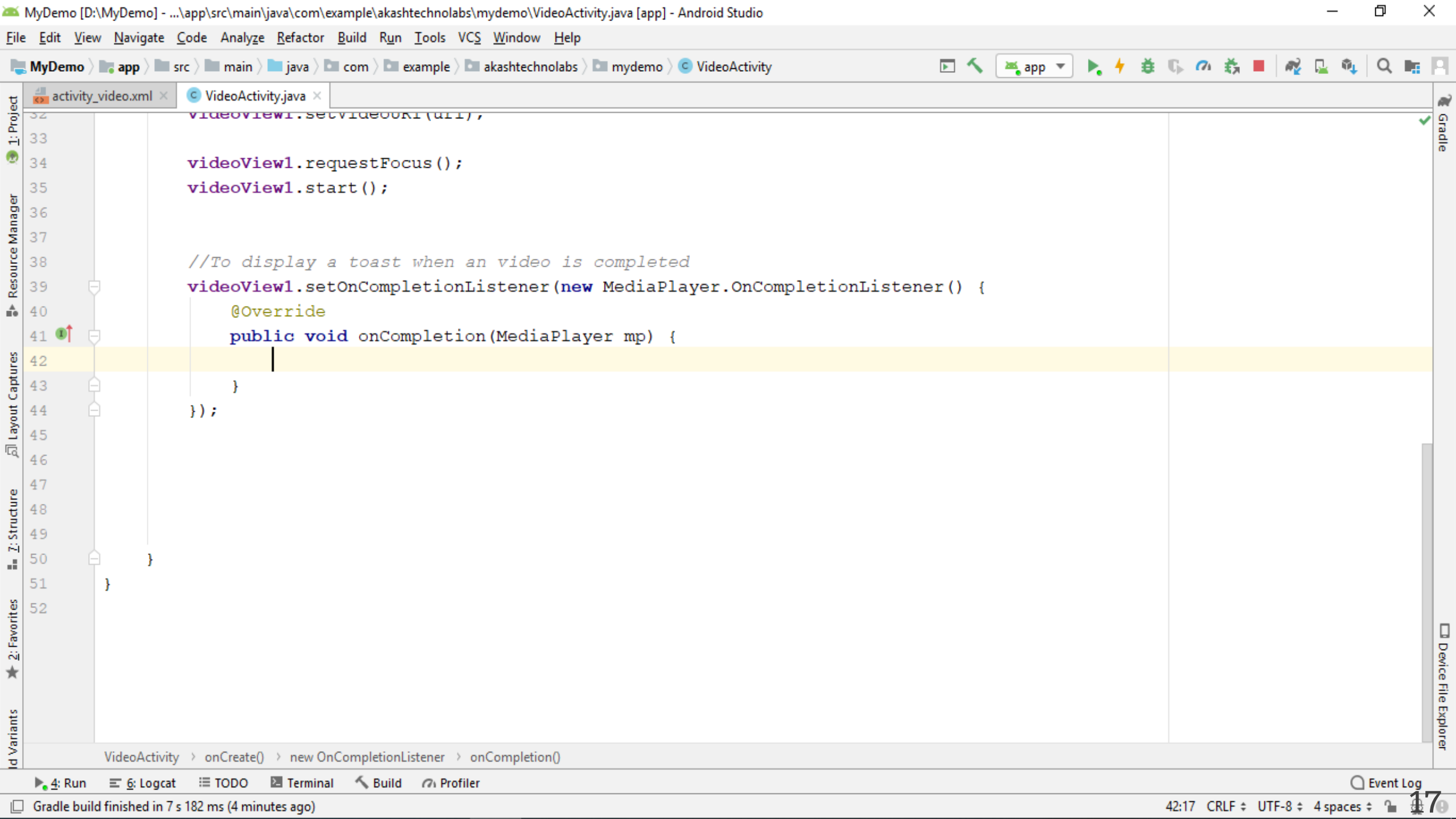
}
```

```
20
21 //setAnchorView() method is used to link the media controller to the video view.
22 mediaController.setAnchorView(videoView1);
23
24 // To set the path to the video
25 Uri uri = Uri.parse("android.resource://" + getPackageName() + "/" + R.raw.movie);
26
27 //Starting VideoView By Setting MediaController and URI
28 videoView1.setMediaController(mediaController);
29
30 videoView1.setVideoURI(uri);
31
32 videoView1.requestFocus();
33 videoView1.start();
34
35
36
37
38 }
39
40 }
```

VideoActivity > onCreate()







1: Project

activity_video.xml x

VideoActivity.java x

Resource Manager

Layout Captures

7: Structure

2: Favorites

Id Variants

VideoActivity

onCreate()

new OnCompletionListener

onCompletion()

79 chars

43:95

CRLF

UTF-8

4 spaces

18

Gradle build finished in 7 s 182 ms (5 minutes ago)

Event Log

18

18

18

18

18

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18

18

18

`videoView1.setVideoURI(uri);``videoView1.requestFocus();``videoView1.start();``//To display a toast when an video is completed``videoView1.setOnCompletionListener(new MediaPlayer.OnCompletionListener() {` `@Override` `public void onCompletion(MediaPlayer mp) {` `Toast.makeText(context, VideoActivity.this, text: "Thank you...", Toast.LENGTH_SHORT).show();` `}``});``}`

VideoActivity > onCreate() > new OnCompletionListener > onCompletion()

```
activity_video.xml x VideoActivity.java x
36 videoView1.start();
37
38
39 //To display a toast when an video is completed
40 videoView1.setOnCompletionListener(new MediaPlayer.OnCompletionListener() {
41     @Override
42     public void onCompletion(MediaPlayer mp) {
43         Toast.makeText(context: VideoActivity.this, text: "Thank you...", Toast.LENGTH_SHORT).show();
44     }
45 });
46
47 // display a toast when an error is occurred while playing an video
48 videoView1.setOnEr
49     setOnErrorListener(OnErrorListener l) void
50
51
52
53
54 }
55
56 }
```

VideoActivity > onCreate()

```
36 videoView1.start();
37
38
39 //To display a toast when an video is completed
40 videoView1.setOnCompletionListener(new MediaPlayer.OnCompletionListener() {
41     @Override
42     public void onCompletion(MediaPlayer mp) {
43         Toast.makeText(context: VideoActivity.this, text: "Thank you...", Toast.LENGTH_SHORT).show();
44     }
45 });
46
47 // display a toast when an error is occurred while playing an video
48 videoView1.setOnErrorListener(new );
49
50
51
52
53
54 }
55
56 }
```

MediaPlayer.OnErrorListener{...} (android.media) [Fetching Documentation...](#)

boolean []
byte []
char []
double []
float []
int []
long []
short []
void []

VideoActivity (com.example.akashtechlabs....)

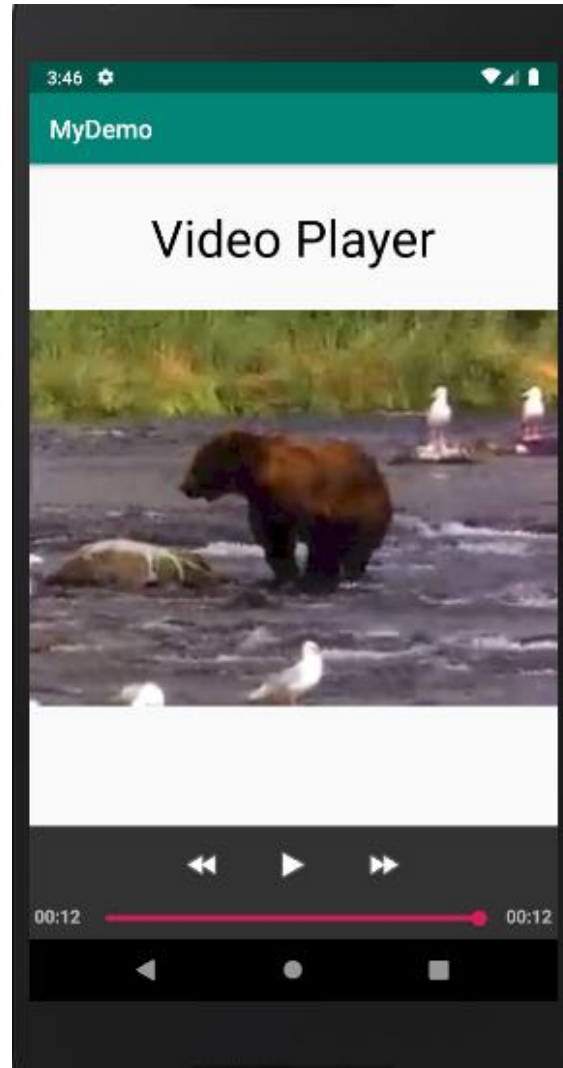
Press Ctrl+Shift+Space to show only variants that are suitable by type

```
36 videoView1.start();
37
38
39 //To display a toast when an video is completed
40 videoView1.setOnCompletionListener(new MediaPlayer.OnCompletionListener() {
41     @Override
42     public void onCompletion(MediaPlayer mp) {
43         Toast.makeText(context: VideoActivity.this, text: "Thank you...", Toast.LENGTH_SHORT).show();
44     }
45 });
46
47 // display a toast when an error is occurred while playing an video
48 videoView1.setOnErrorListener(new MediaPlayer.OnErrorListener() {
49     @Override
50     public boolean onError(MediaPlayer mp, int what, int extra) {
51         return false;
52     }
53 });
54
55
56
57
58
59 }
60
61
```

```
activity_video.xml x VideoActivity.java x
36 videoView1.start();
37
38
39 //To display a toast when an video is completed
40 videoView1.setOnCompletionListener(new MediaPlayer.OnCompletionListener() {
41     @Override
42     public void onCompletion(MediaPlayer mp) {
43         Toast.makeText(context: VideoActivity.this, text: "Thank you...", Toast.LENGTH_SHORT).show();
44     }
45 });
46
47 // display a toast when an error is occurred while playing an video
48 videoView1.setOnErrorListener(new MediaPlayer.OnErrorListener() {
49     @Override
50     public boolean onError(MediaPlayer mp, int what, int extra) {
51         Toast.makeText(context: VideoActivity.this, text: "Error", Toast.LENGTH_SHORT).show();
52
53         return false;
54     }
55 });
56
57
58
59
60
61 }
```

VideoActivity > onCreate() > new OnErrorListener > onError()

Output



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<https://www.youtube.com/user/Akashtips>





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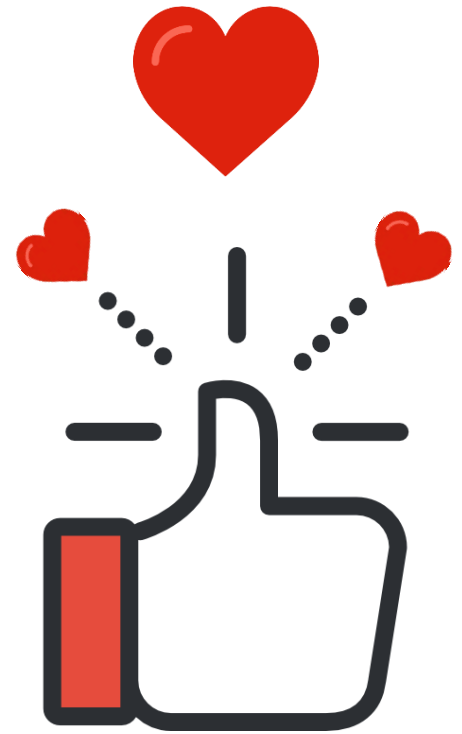
Just Dial

https://www.justdial.com/Ahmedabad/Akash-Technolabs-Navrangpura-Bus-Stop-Navrangpura/079PXX79-XX79-170615221520-S5C4_BZDET



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