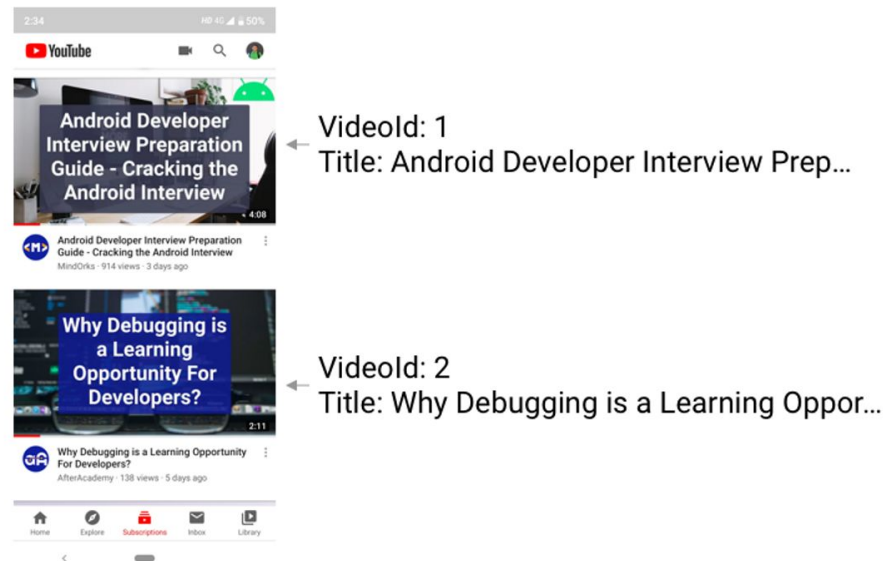# Intent put extra

Here, we are going to learn how to pass the data from one activity to another activity.

As we already know, we use Intent to open one activity from another activity. Now, we will use the Intent to pass the data from one activity to another activity.

Let's take an example of YouTube.

- **VideoListActivity** - Java/Kotlin class - *Activity which shows the list of videos with thumbnail images and let you click on them to play the video in the another activity(VideoPlayerActivity).*
- **VideoPlayerActivity** - Java/Kotlin class - *Activity which plays the video, shows the likes, comments and helps you in interacting with the screen.*

Note: All the videos are unique, so those videos will have their own unique ids to identify. We will keep it as **videoId**.

On the VideoListActivity, we have video1(with videoId-1), video2(with videoId-2), video3(with videoId-3) and so on. When we click on any one of them, that particular video plays in VideoPlayerActivity. For example, when we click on video1(with videoId-1), it opens the VideoPlayerActivity with video1 playing inside it.

The question is how the VideoPlayerActivity knows which video to play inside it. This is where the data passing through intent between one activity to another activity comes into the picture.

Intent is responsible for sending the data from one activity to another activity. Here, videoId from VideoListActivity to VideoPlayerActivity. We can think of Intent as a Movers and Packers who moves the container from one place to another place.

And inside that container(which will be moved by the Intent), we can put some data with key-value in one activity and get the data with that key in another activity.

key	value
VIDEO_ID	1
USER_ID	67
USER_NAME	amitshekhar

Let's see some code:

Putting the data in VideoPlayerActivity and opening the VideoPlayerActivity, we write like below:

```
val intent = Intent(this, VideoPlayerActivity::class.java)
intent.putExtra("VIDEO_ID", videoId)
startActivity(intent)
```

VIDEO_ID is the key to identify because we can send many key values inside it.

For getting the data in VideoPlayerActivity, we write like below:

```
val videoId = intent.getIntExtra("VIDEO_ID", -1)
```

VIDEO_ID is the key used to get the value, -1 is the default value which will be assigned when no data is passed with this key(VIDEO_ID) from the VideoListActivity.

Great! Now, we know how to pass the data from one activity to another activity.