Notifications

In this Lecture, you will learn:

- Notifications
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Notifications show short information about events in your app while it may not be in use. A notification is a message for the user that Android displays outside your app's UI. Users can tap the notification to open your app or take an action directly from the notification.

Notifications appear to users in different locations and formats, including an icon in the status bar, a more detailed entry in the notification drawer.

We will use NotificationCompat APIs from the Android support library.

Create and Send Notifications

1) Create Notification Builder

```
NotificationCompat.Builder builder =
      new NotificationCompat.Builder(this, "11");
```

2) Setting Notification Properties

```
builder.setSmallIcon(R.drawable.ic_launcher_foreground)
      .setContentTitle("Demo Notification")
      .setContentText("This is demo message for
notification");
```

3) Attach Actions

Optional part required if you want to attach an action with the notification. An action allows users to go directly from the notification to an Activity in your application, where they can look at one or more events.

```
Intent resultIntent = new Intent(this,
ResultActivity.class);
TaskStackBuilder stackBuilder =
TaskStackBuilder.create(this);
stackBuilder.addParentStack(ResultActivity.class);
// Adds the Intent that starts the Activity to the top
of the stack
stackBuilder.addNextIntent(resultIntent);
PendingIntent resultPendingIntent =
stackBuilder.getPendingIntent(0,PendingIntent.FLAG_UPDA
TE_CURRENT);
builder.setContentIntent(resultPendingIntent);
```

4) Issue the notification

Start the notification by calling NotificationManager.notify() to send your notification. Make sure you call NotificationCompat.Builder.build() method on builder object before notifying it. This method combines all of the options that have been set and return a new Notification object.

```
mNotificationManager.notify(11, builder.build());
```