We this codelab we learned how easy is to create a broadcast receiver just going to file/other/and broadcast receiver, we need to select export and enabled this allows to receive broadcasts from outside the app and allows the system to instantiate the receiver.

Here they explain the two different kinds of broadcast static and dynamically, but this is not new because we already learned this in class also here they forget to comment than static is not allowed in many API

We learned than the name of the actions for detected if the phone is charging or not are ACTION_POWER_CONNECTED / ACTION_POWER_DISCONNECTED

They explained letter than starting from Android 8.0 (API level 26 and higher), you can't use static receivers to receive most Android system broadcasts,

For work with the broadcast receiver one of the first things we'll going to need are Custom Receiver and an Intent Filter

The filter will help to keep all the actions than we need, that way when we receive the broadcast the system will check in the filter what actions need, after set the actions inside we need to register the receiver, and letter unregister in the onDestroy

We learn all the basic steps we need to follow in the broadcast receiver: get the action from the intent, this action need to validate for make sure is not null and that way we can check with a switch, set what we need to do with every action and we are done

With this codelab we learned than when we want our app to take an action without launching an activity, for example when we want to let other apps know that data has been downloaded to the device, we have 3 different kinds of broadcast normal, local and Ordered

For created a custom broadcast we learned than we need a unique string for the intent and both the sender and receiver of a custom broadcast must agree in the same one