# Intents

What do you intend to do in the android application? You describe it using Intents. It is not used for switching UIs. It is needed for:

* Access another app
* Backward App
* To work on the Android building blocks
  + Activity
  + Service
    - Standalone process
    - No coordination with its parent activity
  + Broadcast Receiver
    - Used for passing messages between apps
  + Content Providers
    - Make Data Sharable

Types of Intents

## Explicit Intent

Tell explicitly which app to open via the following.

* Intent constructor requires two parameters: source context and reference of the application to open.
* Call start Activity method with intent to run the activity. Or if you want the application to return a result then call the start Activity for Result method with intent and request code.
* Pass the data via put extra method with key and value.
* Resulting activity can get the data using the get method by providing the key.



## Implicit Intent

Tell the general configuration of the app to run.

* Intent Constructor requires only one parameter which is Filter which filters the existing applications to select the desired one.
* Example

