

This section is for Developers, those who want to embed translation in their applications. Here I have provided the API and some sample codes which enable you to utilize this translation application within the context of your application.

Approach 1.

Here is the first and the most convenient one and the one I recommend to use.

Use “*com.peaceworld.dictionary19k.CANONICALTRANSLATION*”

Action Name to ask for translation wherever you need a word to be translated in your application.

Make an *intent* and call it wherever you want:

```
@Override
public void onClick(View view) {

    Intent intent = new Intent("com.peaceworld.dictionary19k.CANONICALTRANSLATION");
    intent.setType("text/plain");
    intent.putExtra(Intent.EXTRA_TEXT, "•••");
    startActivityForResult(intent, REQUESTCODE);
}
```

And then extract the result as shown below:

```
@Override
protected void onActivityResult(int requestCode, int resultCode, Intent data) {
    if (requestCode == REQUESTCODE) {
        if (resultCode == RESULT_OK) {
            Bundle bundle = data.getExtras();
            if (bundle != null) {
                // there may be several results for a simple query, which
                // you should take care of
                for (String index : bundle.keySet()) {
                    String[] key_value = bundle.getStringArray(index);
                    String key = key_value[0];
                    String value = key_value[1];
                    // ...
                    // loop through the result and extract all available
                    // key-value pairs relating to your query
                }
            }
        }
    }
}
```

Best Practice: use some popup window library like <https://github.com/pinguo-marui/PointerPopupWindow> to include all possible translations in a popup window in your application.

Approach 2.

Though this approach is not the encouraged, due to lack of efficiency, using the [“com.peaceworld.dictionary19k.DIRECTTRANSLATION”](#) Action name you can direct translation through the “19k dictionary” application itself.

Simply *make an [intent](#) and call it:*

```
@Override
public void onClick(View arg0) {

    Intent intent = new Intent("com.peaceworld.dictionary19k.DIRECTTRANSLATION");
    intent.setType("text/plain");
    intent.putExtra(Intent.EXTRA_TEXT, "خدمات");
    startActivity(intent);

}
```

Notice: in this approach similar words would not be translated, just exact words would be translated.

For more details on how to deal with [“Getting a Result from an Activity”](#) click this: [Android Developer](#)

Don't hesitate to contact me on rad_navid@yahoo.com , I would definitely be very glad to help.

Finally, due to the nature of Persian/Arabic context translation there may be some other approaches I have not yet implemented because I think they won't be of any use, so let me know if you need any other functionalities.