The Android Development Tool (ADT)

Installation and hello world application
Eclipse plug-in installation

A new site is to added: http://dl-ssl.google.com/android/eclipse/

Then select the new created Developer Tools and proceed with installation

hint: do not forget to restart eclipse and the end
Creating an Android project

First specify the sdk path in the Android preferences on eclipse.

The fields are as usual, the package name can be freely specified, here: `fu.example.hello`.

Finally the project is opened with a sample code.

As usual, create a new project, and select "Android Project".
The "hello world" application

Elements to note:

- Activities and Activity class
- View and TextView
- onCreate method

```java
package fu.example.hello;

import android.app.Activity;
import android.os.Bundle;
import android.widget.TextView;

public class Greeting extends Activity {
    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        TextView tv = new TextView(this);
        tv.setText("Hello World!");
        setContentView(tv);
    }
}
```
Running the application

If the Android SDK is correctly installed the phone emulator will run and open the application:

Applications are installed and can be reached later by the phone's expand button on the main screen:
As running the application, debugging is made from eclipse itself which is connected to the emulator which runs in the meantime:

Debug session

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Debugging is as usual with eclipse.

- Watch variables
- Step over / into
- Breakpoint management
- ...
thanks for listening!