Android How To's(2A) **(By Nikhil Lingutla)**

Android Mobile Platform

Mobile Part 2A : Steps required to install and configure the platform

I. Installing Eclipse

1. If you haven't yet installed Eclipse

   a. Download latest version of Eclipse IDE(Eclipse Indigo 3.7.2) for Java EE developers and install

II. Installing Android SDK and ADT plugin

1. Download the Android SDK from Android SDK
2. Unpack to a location on your system
3. Inside Eclipse goto **Help -> Install New Software**
4. Click on **Add** and a Dialog box appears
5. In the Dialog box Enter your preferred name and set location as **https://dl-ssl.google.com/android/eclipse/** and give it a name and then click OK
6. Then click **Select All** and click on **Next** and **Next** and accepts "Terms and conditions" and click on "**Finish**"
7. If step 5 doesn't work, do the following

   a. Download ADT plugin from ADT Plugin
   b. Goto **Help - > Install New Software** and click on **Archive** and refer to the file downloaded from step 7.a

8. Next step is to install some required packages using **Android SDK manager** which can be found under **Window -> Android SDK**
9. Install the recommended packages (by default recommended packages will be installed, so just click on Install packages)

III. Installing a platform

1. In the Android SDK Manager, choose **Available Packages** in the left panel.

2. In the right panel, expand the Android Repository list to display the components available for installation.
3. Select at least one platform to install, and click **Install Selected**. If you aren't sure which platform to install, use the latest version.

IV. Create an Android Virtual Device

1. Inside Eclipse goto **Window -> AVD Manager**
2. Click on "**New**" and enter Name of your AVD and target Platform
3. Then click on "**Create AVD**"
4. If you want to launch AVD select one among several AVD's and click on "**start**"
5. AVD will appear on your screen.

Visual Depiction of Installation Procedure
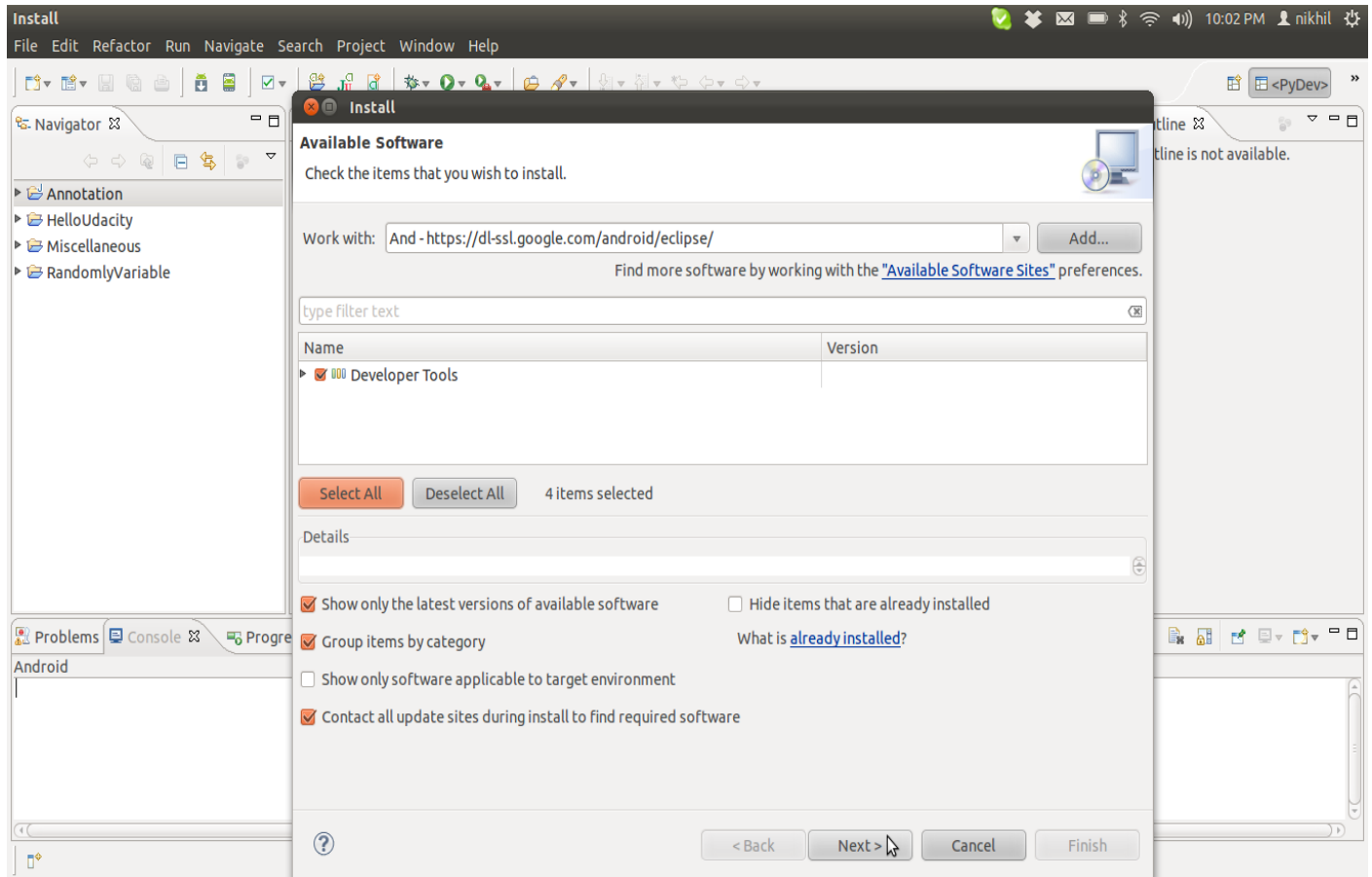
1. **Inside Eclipse, goto Help -> Install New Software**
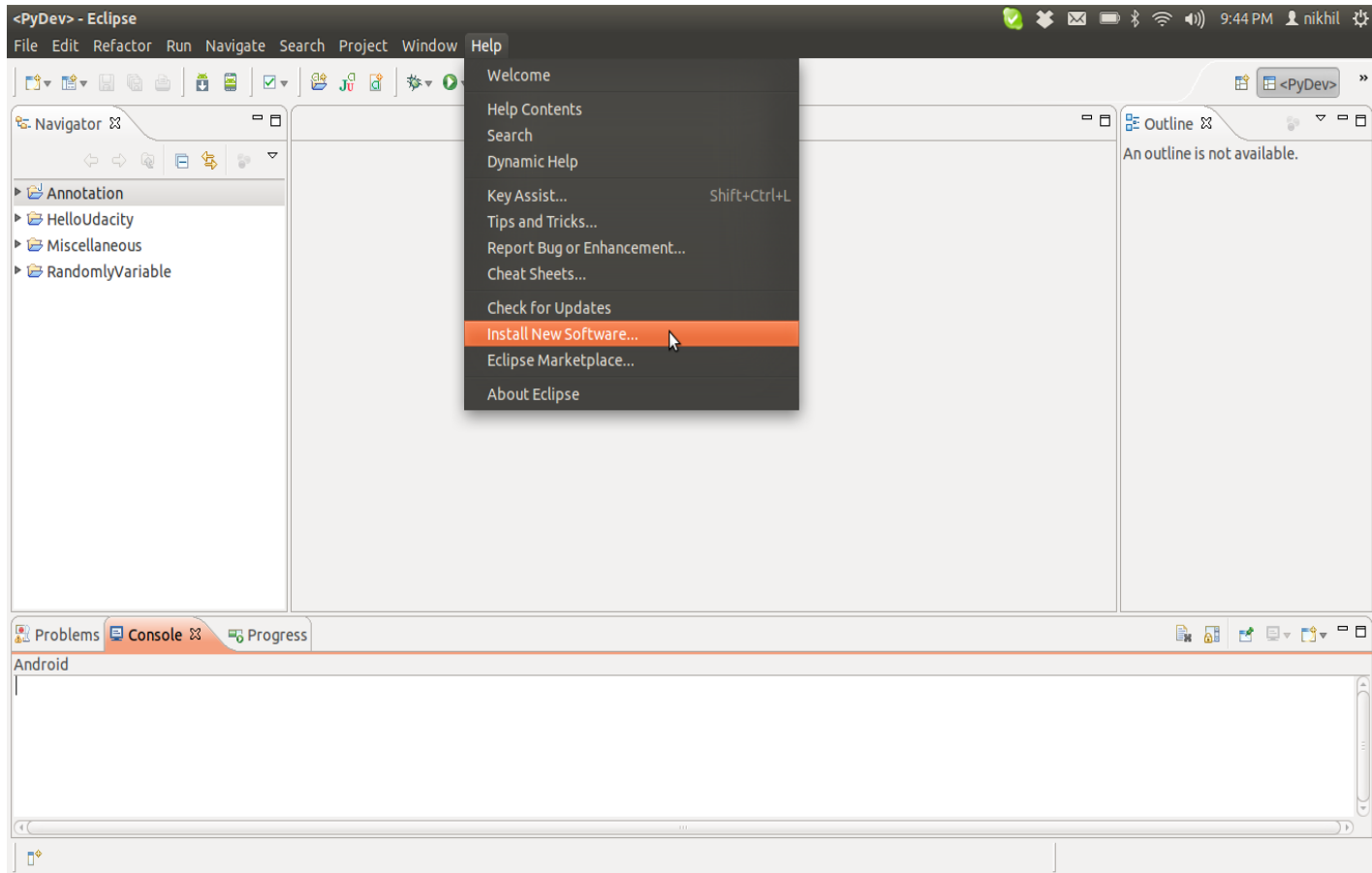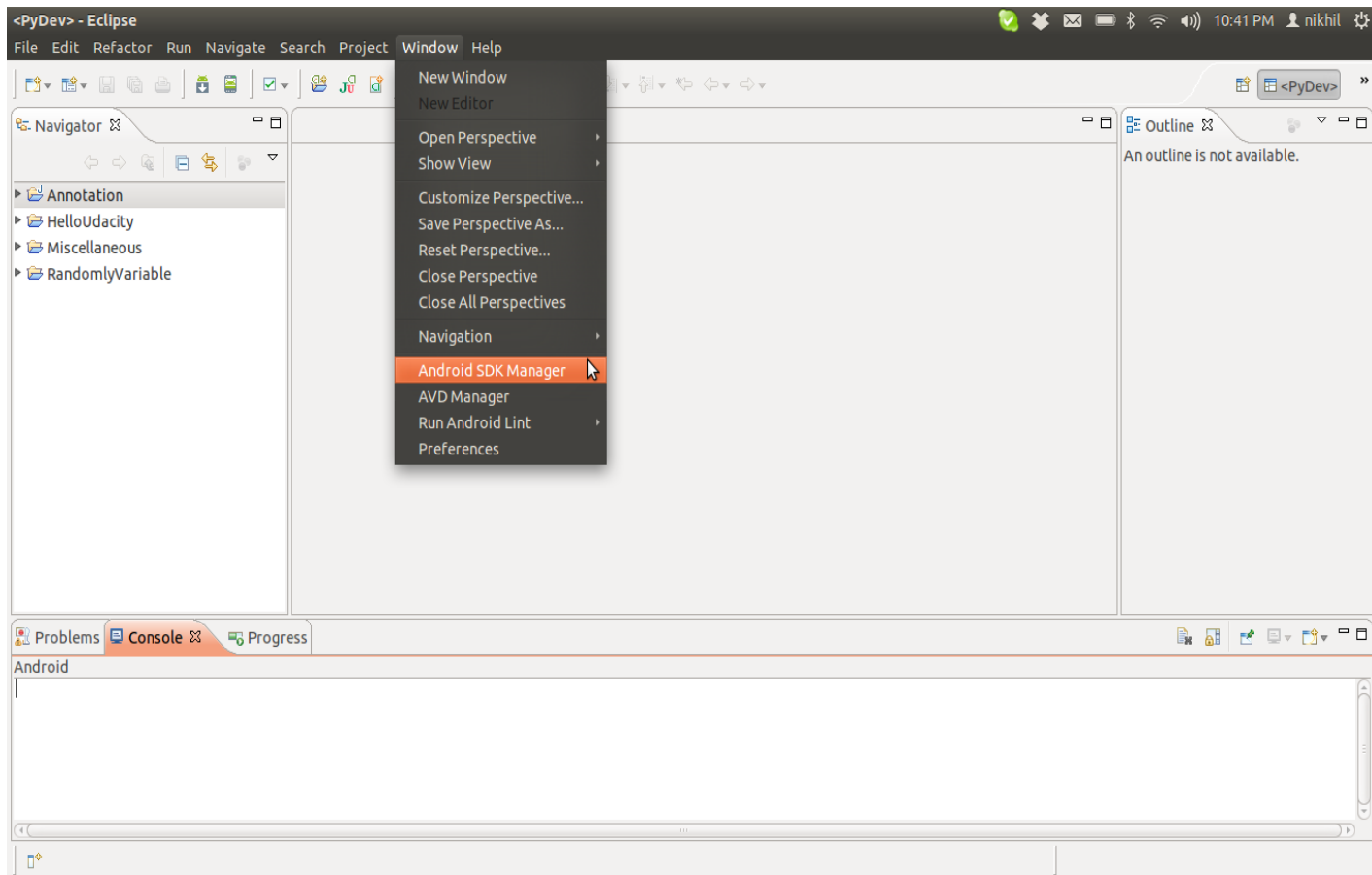
2. Click on Add at the right top of the Dialog box
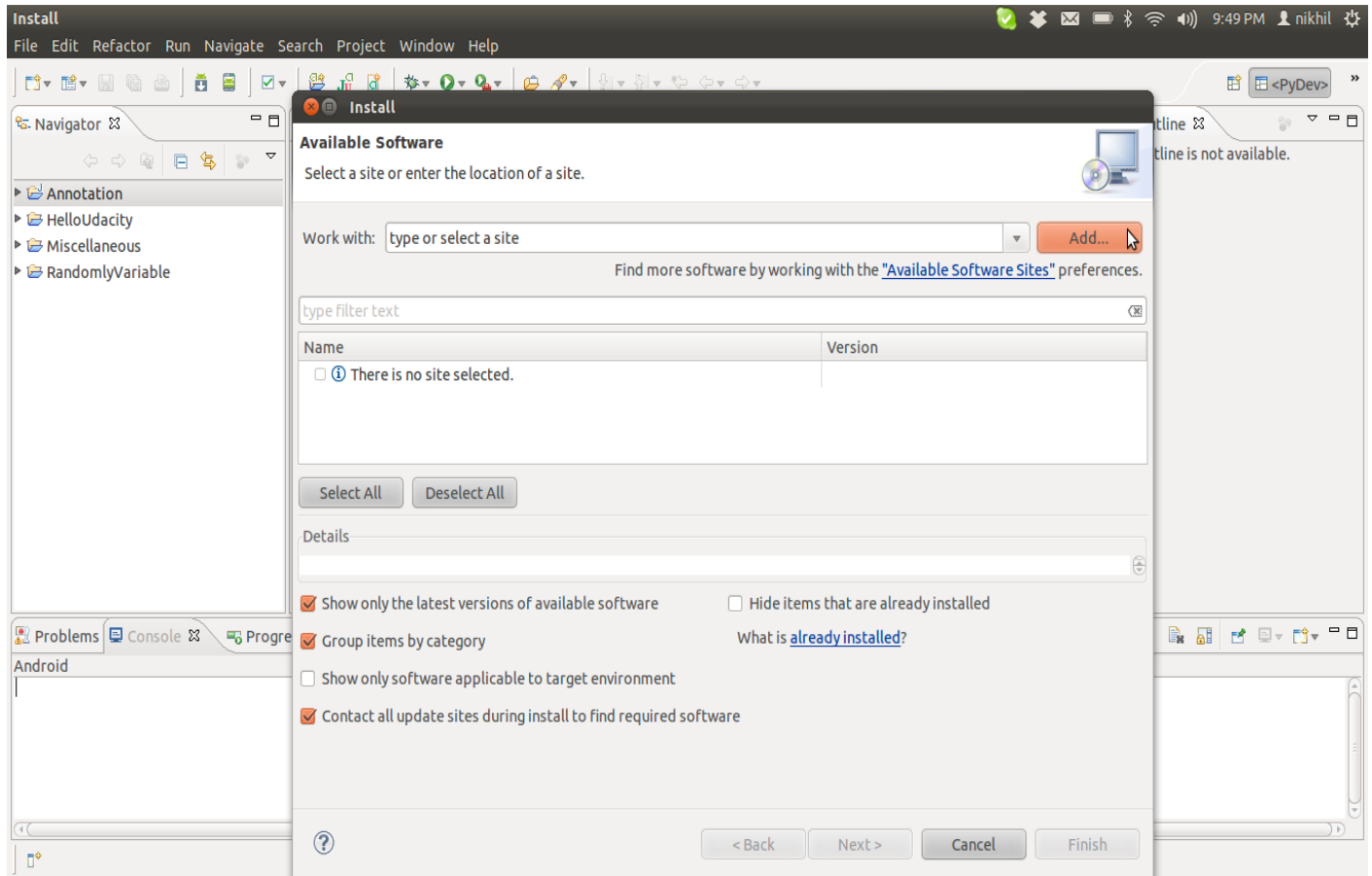
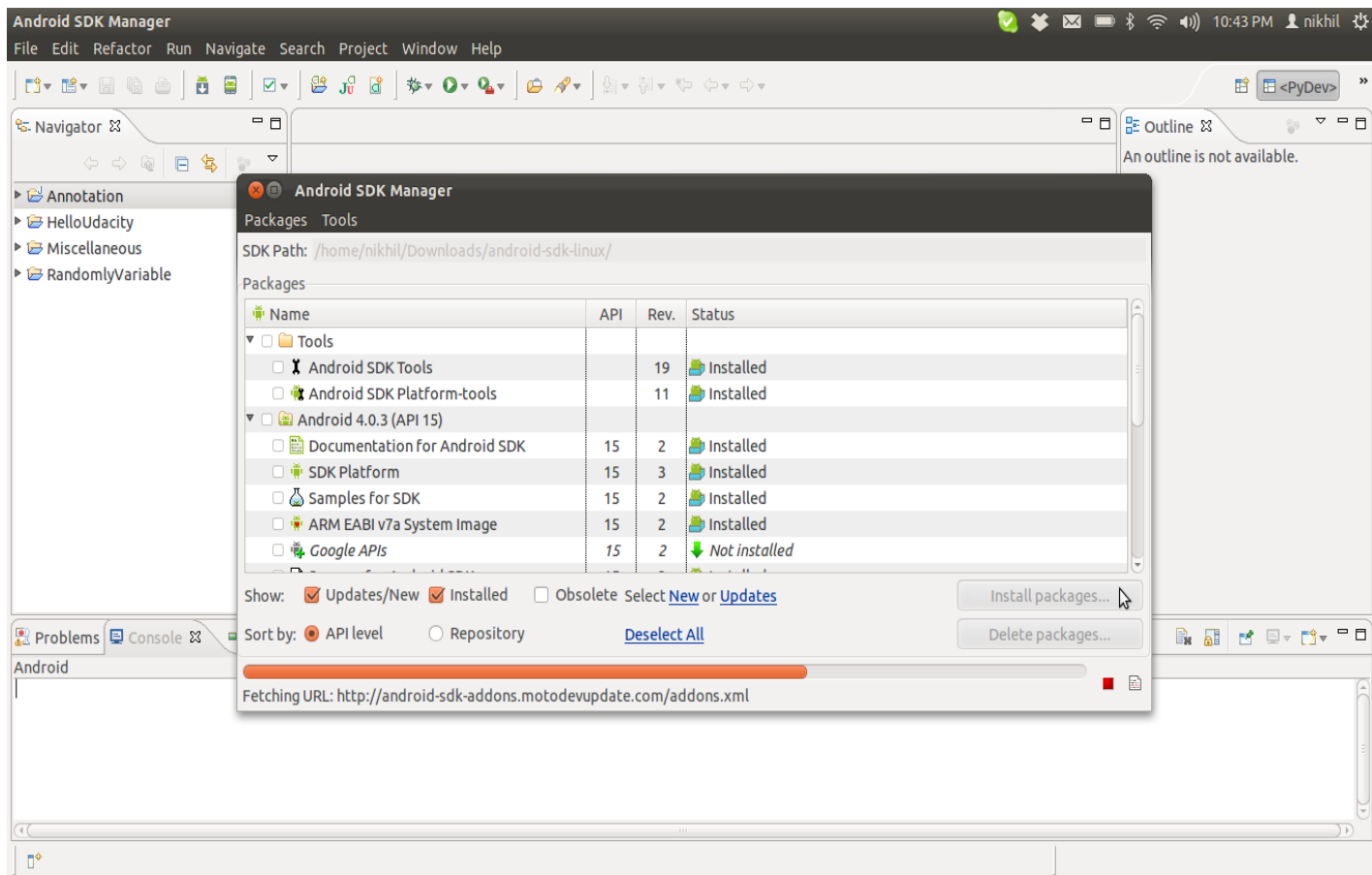**3. Add the Url from the Android website to install the Eclipse ADT Plugin**
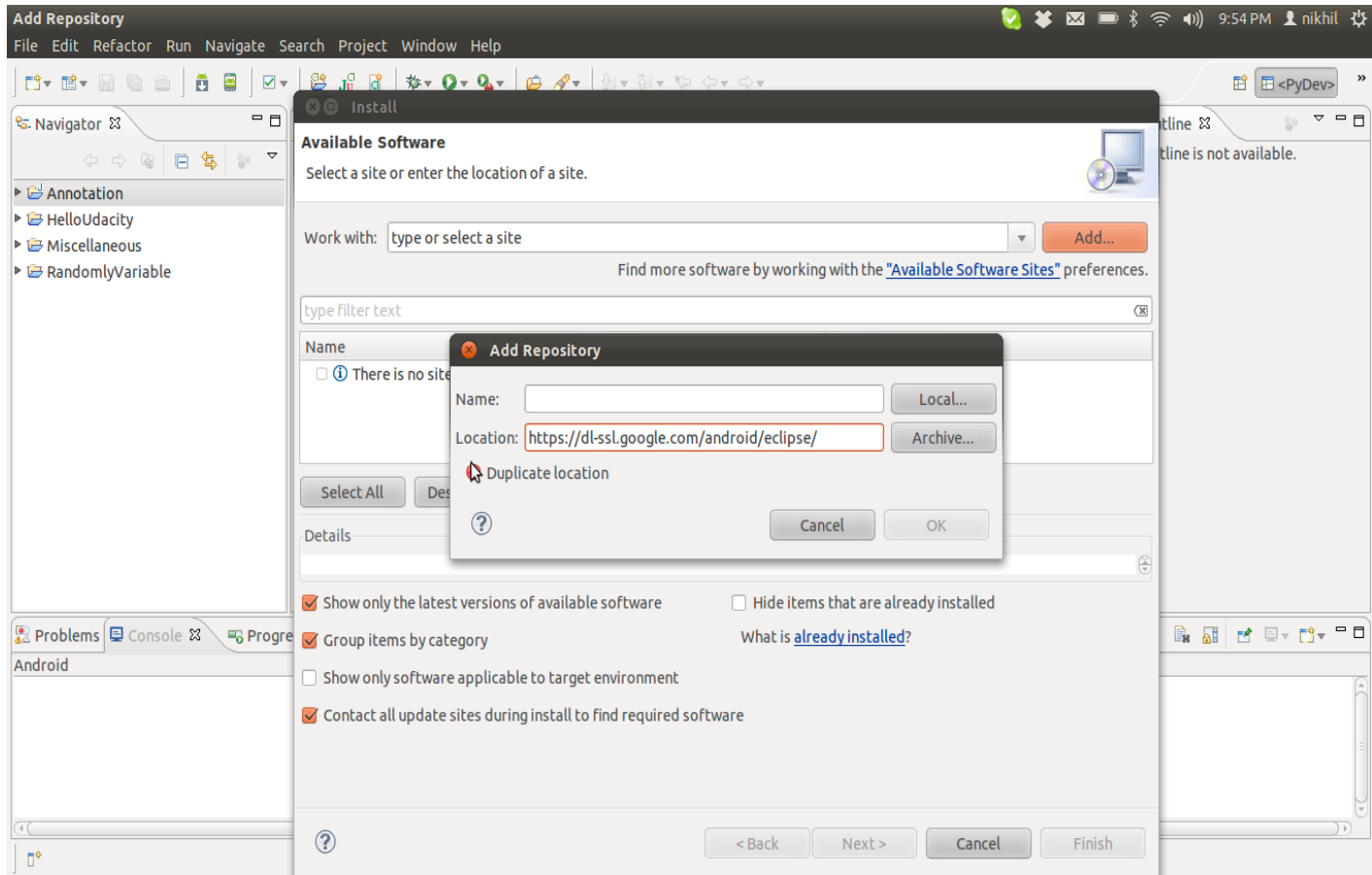
4. Click "Select All" and then "Next" and "Terms" and "Finish"

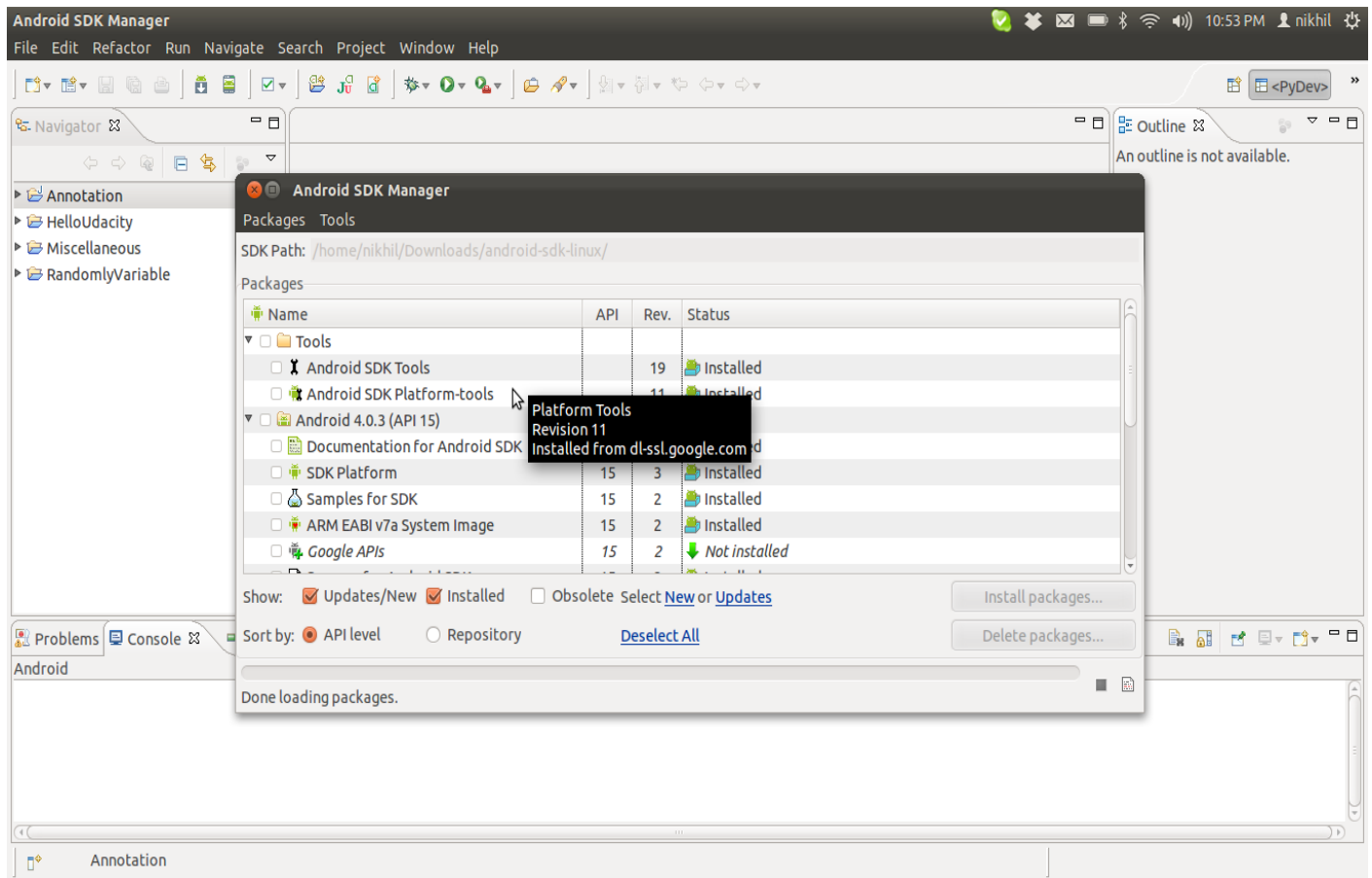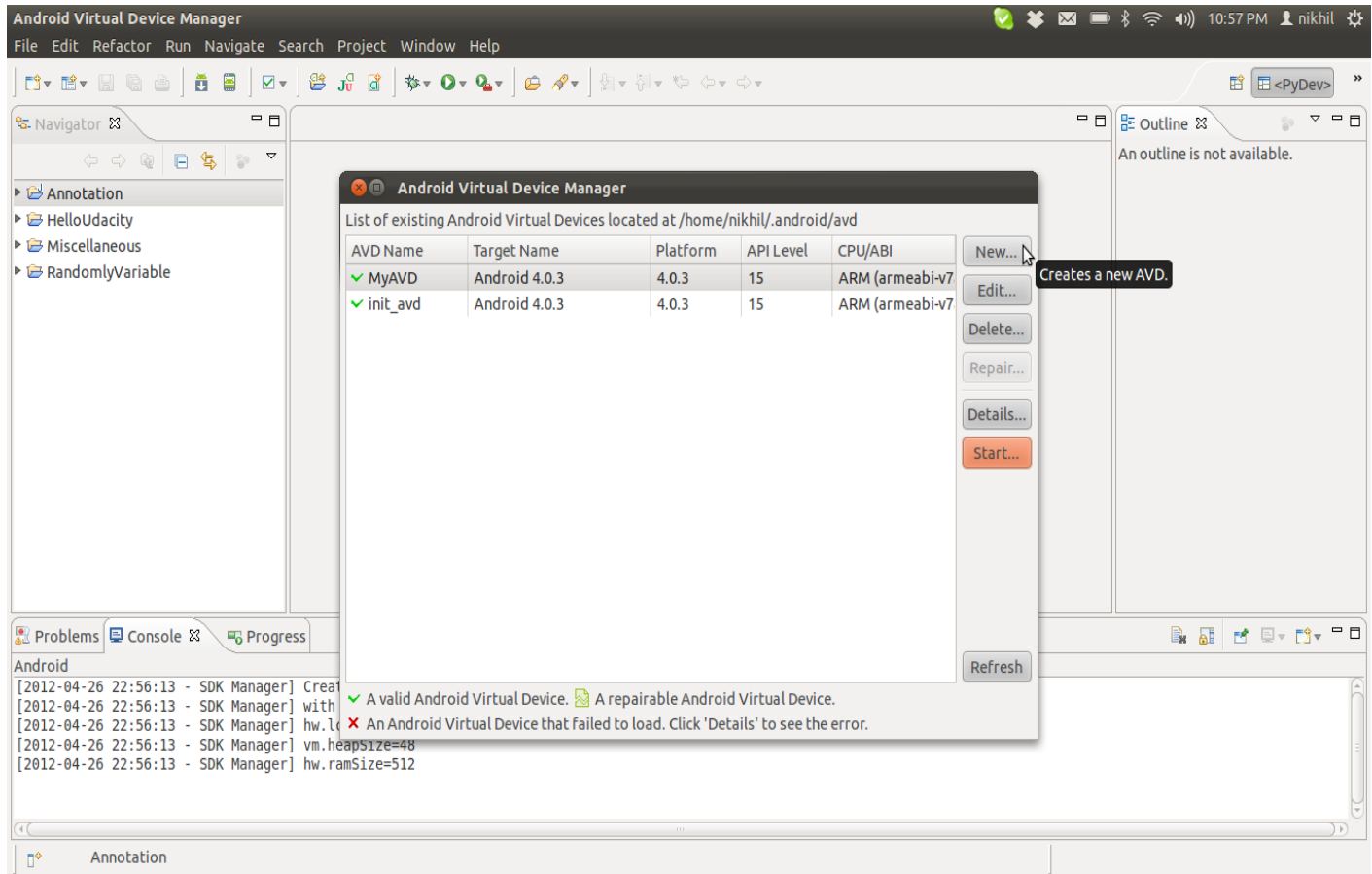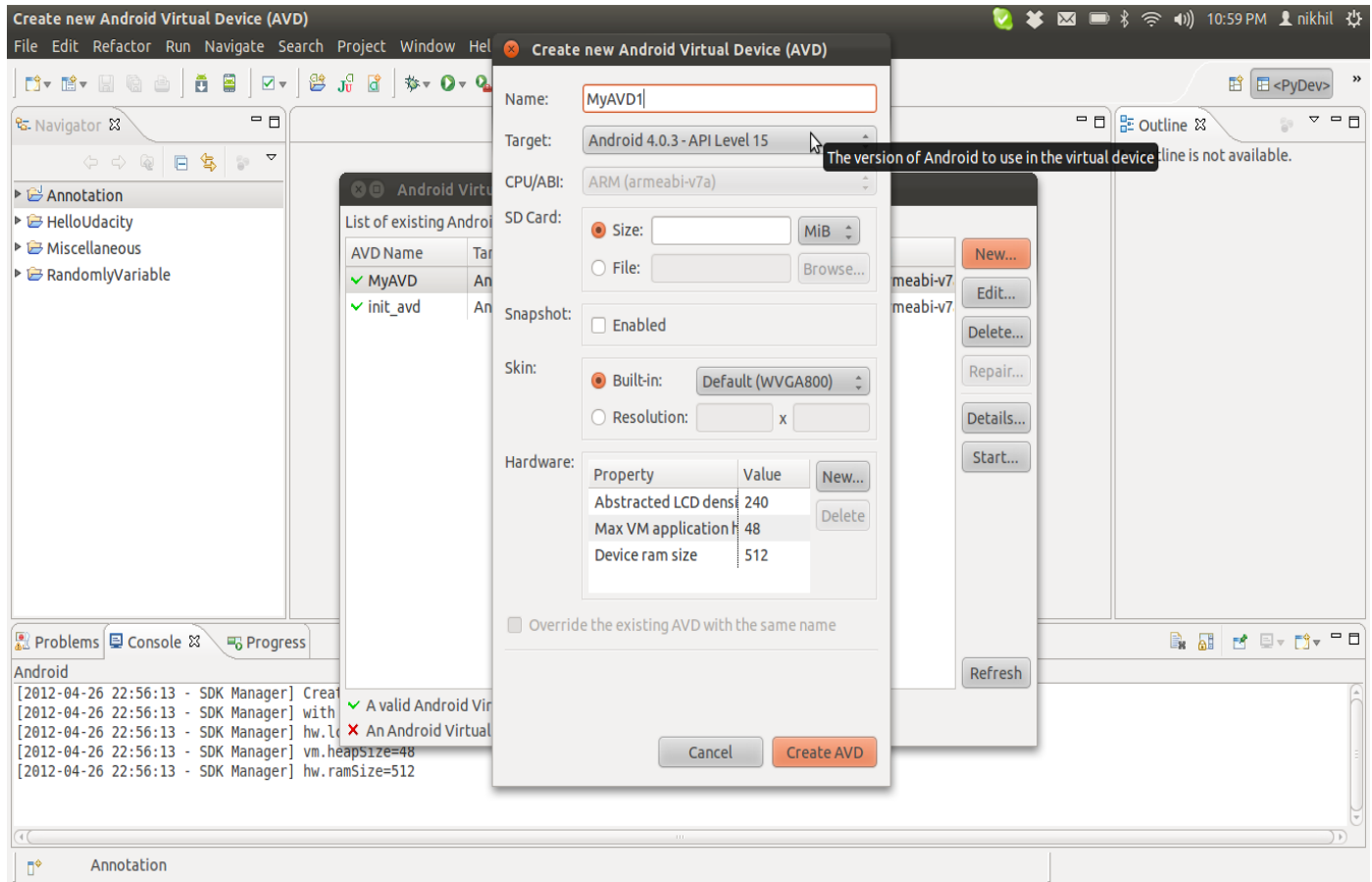## 5. Installing some Required packages using Android SDK Manager

6.
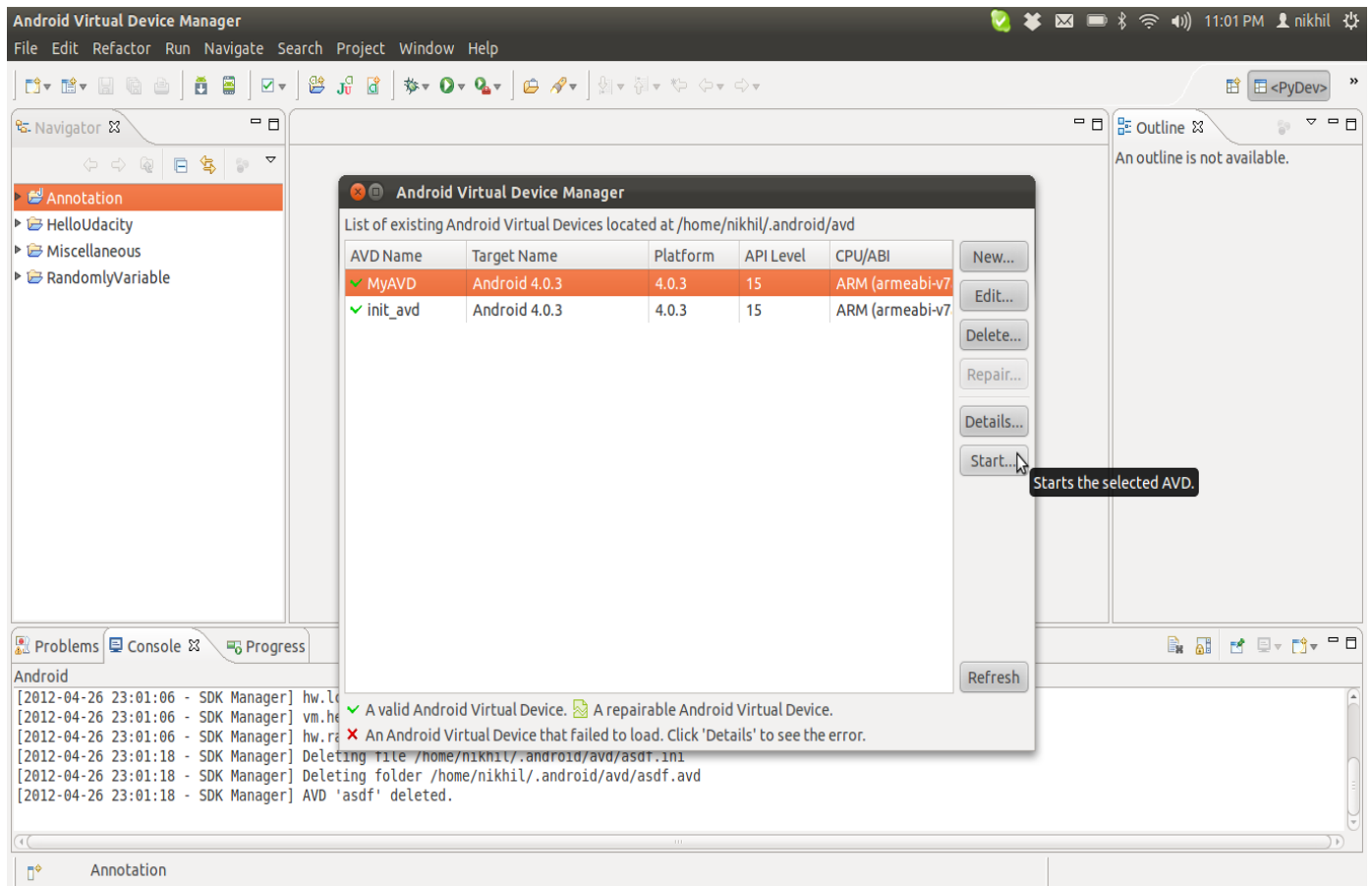
7. Install a Platform

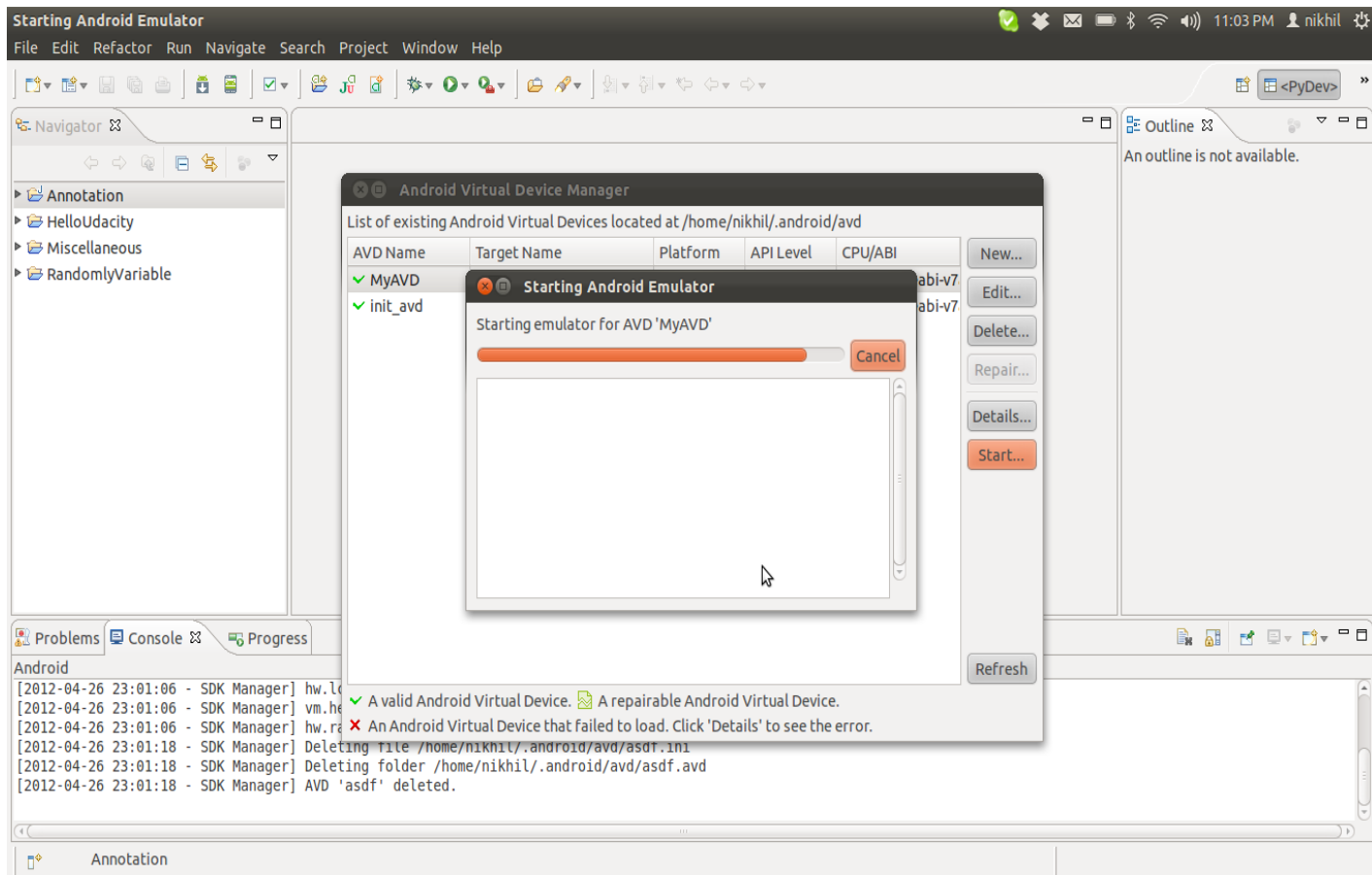## 8. Creating AVD (Android virtual Device)

9. Name your AVD and specify target platform

10.   Select the AVD and click on Start

11.   Starting Android Emulator

12. Android Virtual Device Appears on the screen