How to make an android app using python

One of the main benefits of using Python for mobile app development is that has number of Python packages available for Android, such as Kivy and BeeWare.

Prerequisites:

1- Install Python

2- Install Kivy: Use pip to install Kivy.

3- Install Buildozer (for building the Android APK): Buildozer is a Python-based tool for packaging and distributing Kivy applications. can install it using pip.

4- Install Cython: is a required dependency for Kivy.

5- Install Java Development Kit (JDK): need the JDK to build Android applications.

Create the Android App in Python:

1- Create a new directory for project and navigate to it

2- Create a Python script for your Kivy app: can use any text editor to create a file named FirstApp.py inside your project directory.

3- In order to run the app, follow the steps:

    1- Open a terminal or command prompt.

    2- Move to the project folder if you are not in there already.

    3- Run the Kivy app using the Python interpreter.

Build the Android APK:

Now, let's use Buildozer to package Kivy app into an Android APK:

1- Initialize a Buildozer spec file

2- Open the build.spec file with your text editor and configure it as needed.

3- Build the Android APK using Buildozer.

Install and Run the APK on Your Android Device:

1- Connect Android device to computer using a USB cable.

2- Make sure USB debugging is enabled on Android device.

3- Install the APK on your Android device.

4- Run the app on your Android device.

Conclusion:

By following the above steps, you can create a working Android application in Python. The Kivy framework makes it easy to write mobile apps and the buildozer tool makes it easier to build them.