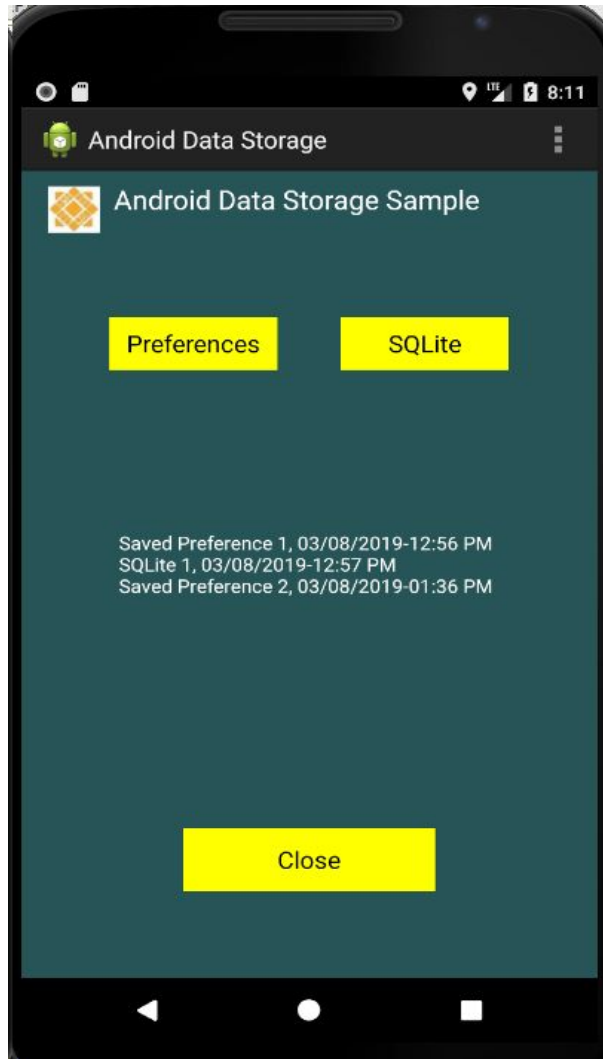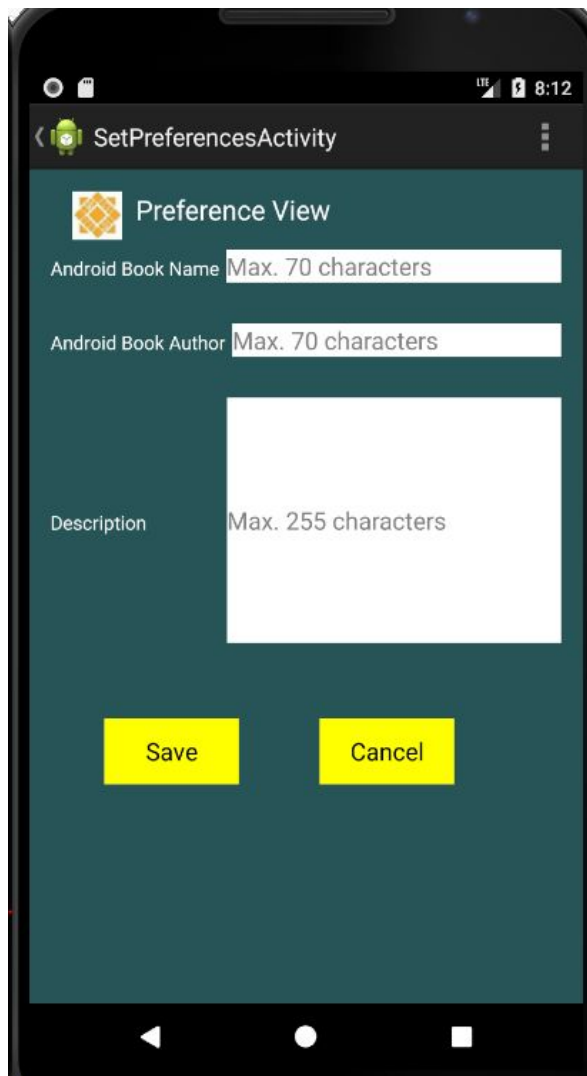Assignment-Android shared preferences & SQLite storage techniques.

1. Created the UI as shown below to demonstrate the android shared preferences and SQLite usage.
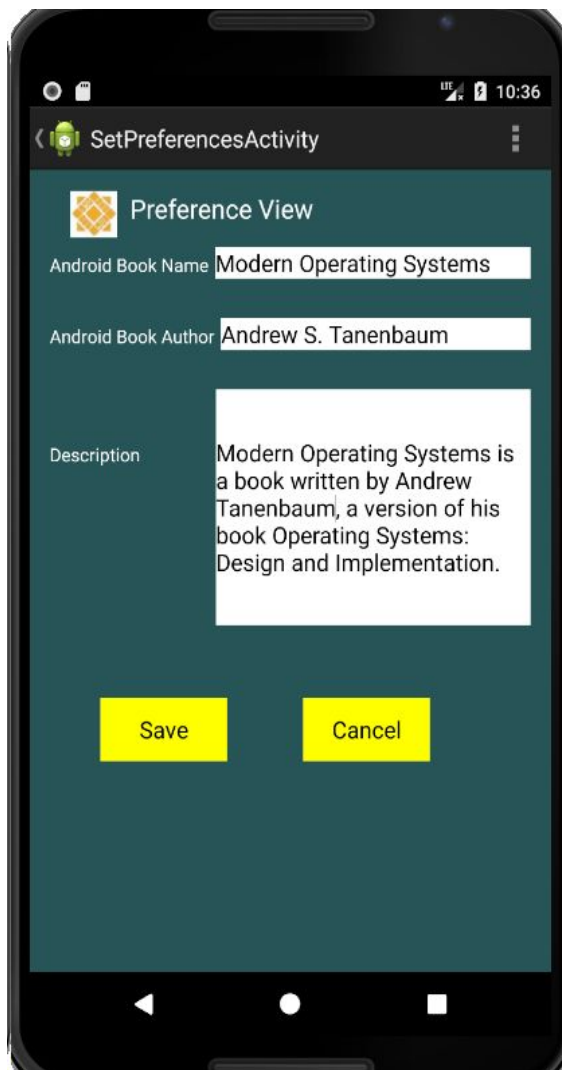
2. On click of "Preferences" button the below UI renders.

3. Once the user data is entered in the UI as shown below. The inputs provided by the user will be saved in the sharedpreferences.

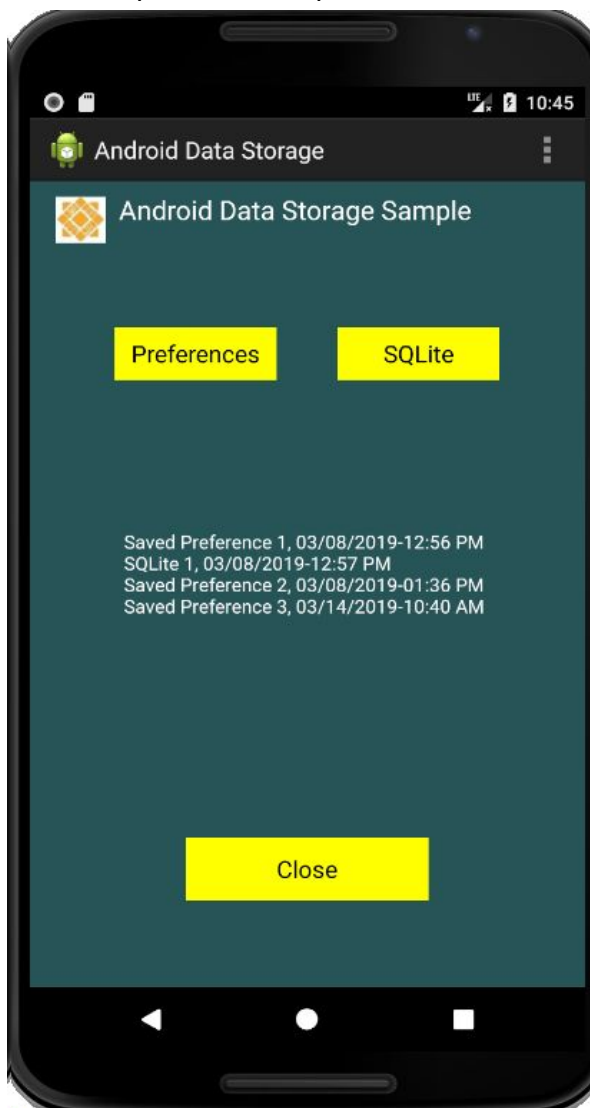4. Shared preferences xml file in the device folder of the app is updated with the new value as shown below:
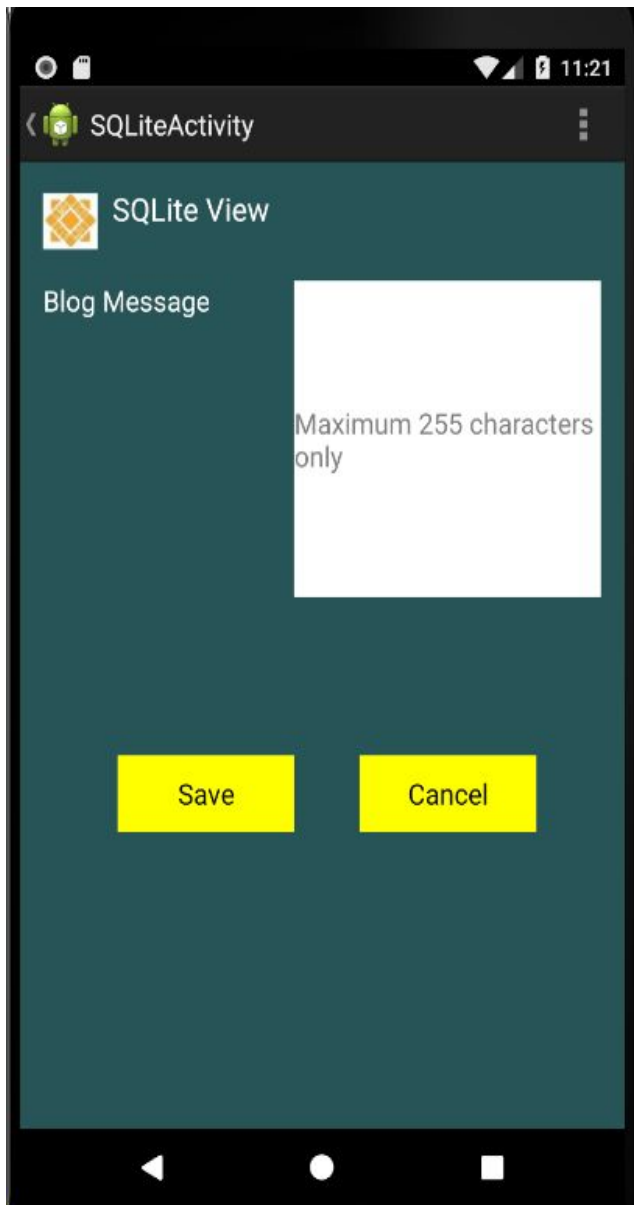
```
com.secondassig.androiddatastorage_preferences.xml ×   © SetPreferencesActivity.java ×   ● app ×

1     <?xml version='1.0' encoding='utf-8' standalone='yes' ?>
2     <map>
3         <string name="DESCRIPTION">Modern Operating Systems is a book written by Andrew Tanenbaum, a version of his book Operating Systems: Design and I
4         <string name="AUTHOR">Andrew S. Tanenbaum</string>
5         <int name="SQL_COUNTER" value="1" />
6         <int name="COUNTER" value="3" />
7         <string name="NAME">Modern Operating Systems</string>
8     </map>
9
```
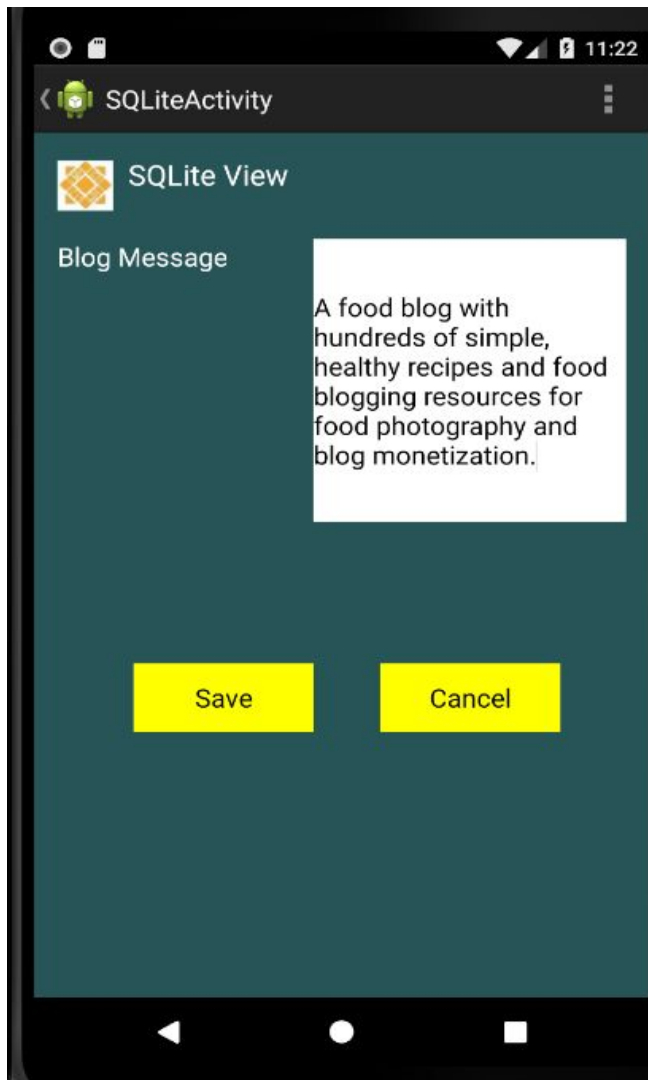
5. On the UI,preferences updated time and count will be displayed for the user.

6. On click of the "SQLite" button, below UI is rendered to the user.

7. Once the user enters the data, the input blog message will be saved in the SQLite DB and can be verified in the device app folder.

8. On saving the data, the timestamp and the counter describing the number of updates on that field will be displayed to the user in main UI.