**Class Activity: Shared Preferences – Step by Step Solution**

**\*\* Due to version issue, the Java solution provided is in API 34, need to run with API 34 emulator devices as well.**

1. Create a new project with the following configuration,
   1. Empty Views Activity
   2. Language: Java
   3. Minimum API level: API 21: Android 5.0 (Lollipop)

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1. Create the layout of your main activity according to the figure shown below.

Create a ConstraintLayout, with TextView and Button placed in the middle of the layout.

The TextView will display a message “Change colour scheme of your app!” and the button will toggle the background colour of the application.

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1. Import the necessary libraries in MainActivity.java.

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1. Declare the necessary variables.

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1. Add a setOnClickListener to the button to allow for changing the background colour.

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1. Write the changeColorScheme() function for the onClickListener.

Use shared preference to get the current background color. When the button is clicked, change the background color to another color and store it in the shared preference.

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1. **Expected output:**

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Initially, since the background colour is not stored inside the SharedPreference yet, the background colour is set to white colour. Once user clicks on the button, the background colour is changed to beige colour. When the user clicks on the button on the beige colour background, the background colour is changed to light blue, vice versa.