[2CEIT5PE5: MOBILE APPLICATION DEVELOPMENT]

Practical: 2

AIM-Create Activity to display "Hello World" in **TextView** in the center of Activity screen with yellow (**android:background="#FFFF00"**) layout background of Activity. **TextView** properties should be Holo Blue color (**android:textColor=@android:color/holo_blue_bright**), **27sp font size (android:textSize="27sp")** and make **text style bold** and **italic (android:textStyle="bold|italic")**. After creating Activity, demonstrate functions of **Activity Life Cycle** by using **Log** message, **Toast** message & **Snackbar** message. All methods of Activity life cycle should be printed in **Logcat**

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Practical-2

Create a "Hello World" application which has a yellow layout background with red color,20sp font size and display text on the center of the screen .

Activity_main.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#FFFF00"
    tools:context=".MainActivity">
    <androidx.coordinatorlayout.widget.CoordinatorLayout
        xmlns:android="http://schemas.android.com/apk/res/android"
        android:id="@+id/myCoordinatorLayout"
        android:layout_width="match_parent"
        android:layout_height="match_parent">

    <!-- Add your other views here -->

    </androidx.coordinatorlayout.widget.CoordinatorLayout>

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="#FFFF00"
        android:text="Hello World!"
        android:textColor="@android:color/holo_blue_bright"
        android:textSize="27sp"
        android:textStyle="bold|italic"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.kt

```kotlin
package com.pavanpatel.p2_75_5b6

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.util.Log
import android.widget.Toast
```

```kotlin
import com.google.android.material.snackbar.Snackbar
import androidx.coordinatorlayout.widget.CoordinatorLayout
import org.w3c.dom.Text
class MainActivity : AppCompatActivity() {
    val TAG = "MainActivity"

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        displayMessage("onCreate")
    }

    override fun onStart() {
        super.onStart()
        displayMessage("onStart")
        showSnackbar()
    }

    override fun onResume() {
        super.onResume()
        displayMessage("onResume")
    }

    override fun onPause() {
        super.onPause()
        displayMessage("onPause")
    }

    override fun onStop() {
        super.onStop()
        displayMessage("onStop")
    }

    override fun onDestroy() {
        super.onDestroy()
        displayMessage("onDestroy")
    }

    fun displayMessage(msg: String) {
        Toast.makeText(this, "This is a $msg", Toast.LENGTH_LONG).show()
        Log.i(TAG, "$msg" + "is called")
    }

    private fun showSnackbar() {
        val myCoordinatorLayout = findViewById<CoordinatorLayout>(R.id.myCoordinatorLayout)
        Snackbar.make(myCoordinatorLayout, R.string.email_sent, Snackbar.LENGTH_SHORT).show()

    }
}
```

Output: