

# Practical: 2

**AIM-Design Activity: Centered "Hello World" in yellow with Holo Blue bold italic text. Show Life Cycle via Log, Toast & Snackbar.**

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1. Create a “Hello World” application which has a yellow layout background with red color,27sp font size and display text on the center of the screen .

**Activity\_main.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:id="@+id/MainPage"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="#FFEB00"
        tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        android:textColor="@android:color/holo_blue_bright"
        android:textSize="27dp"
        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 :**

```
package com.example.mad_practical2_21012011088

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Toast
import com.google.android.material.snackbar.Snackbar
```

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```
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        //      displayToast("onCreate called")
        displaySnackBar("onCreate called")
    }

    override fun onStart() {
        super.onStart()
        //      displayToast("onStart called")
        displaySnackBar("onStart called")
    }

    override fun onResume() {
        super.onResume()
        //      displayToast("onResume called")
        displaySnackBar("onResume called")
    }

    override fun onPause() {
        super.onPause()
        //      displayToast("onPause called")
        displaySnackBar("onPause called")
    }

    override fun onStop() {
        super.onStop()
        //      displayToast("onStop called")
        displaySnackBar("onStop called")
    }

    override fun onDestroy() {
        super.onDestroy()
        //      displayToast("onDestroy called")
        displaySnackBar("onDestroy called")
    }
}
```

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```
}

fun displayToast(msg:String){
    Toast.makeText(this , msg , Toast.LENGTH_LONG).show();
}

fun displaySnackbar(msg: String){
    Snackbar.make(findViewById(R.id.MainPage) , msg ,
Snackbar.LENGTH_LONG).show();
}
}
```

**Output :**

