

## Practical: 2

**AIM-** Create Activity to display “Hello World” in TextView in the center of Activity screen with yellow layout background of Activity. TextView properties should be Holo Blue color. 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.

Submitted By :- Krupa Patel  
Enrollment number :- 21012021070



**Ganpat  
University**

॥ विद्यया समाजोत्कर्षः ॥

**U.V. Patel  
College of  
Engineering**

Department of Computer Engineering/Information Technology

## 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 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="#FFF000"
    android:id="@+id/mainConstraint"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textColor="@android:color/holo_blue_bright"
        android:textSize="35sp"
        android:textStyle="bold|italic"
        android:text="Hello World!"
        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_practical_2_21012021070

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.util.Log
import android.widget.Toast
import androidx.constraintlayout.widget.ConstraintLayout
import com.google.android.material.snackbar.Snackbar

class MainActivity : AppCompatActivity() {
    val TAG = "MainActivity"
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
```

## Practical: 2

---

```
        setContentView(R.layout.activity_main)
        showMsg("onCreate method is called.")
    }

    override fun onStart() {
        super.onStart()
        showMsg("onStart method is called.")
    }

    override fun onResume() {
        super.onResume()
        showMsg("onResume method is called.")
    }

    override fun onPause() {
        super.onPause()
        showMsg("onPause method is called.")
    }

    override fun onStop() {
        super.onStop()
        showMsg("onStop method is called.")
    }

    override fun onDestroy() {
        super.onDestroy()
        showMsg("onDestroy method is called.")
    }

    override fun onRestart() {
        super.onRestart()
        showMsg("onRestart method is called.")
    }

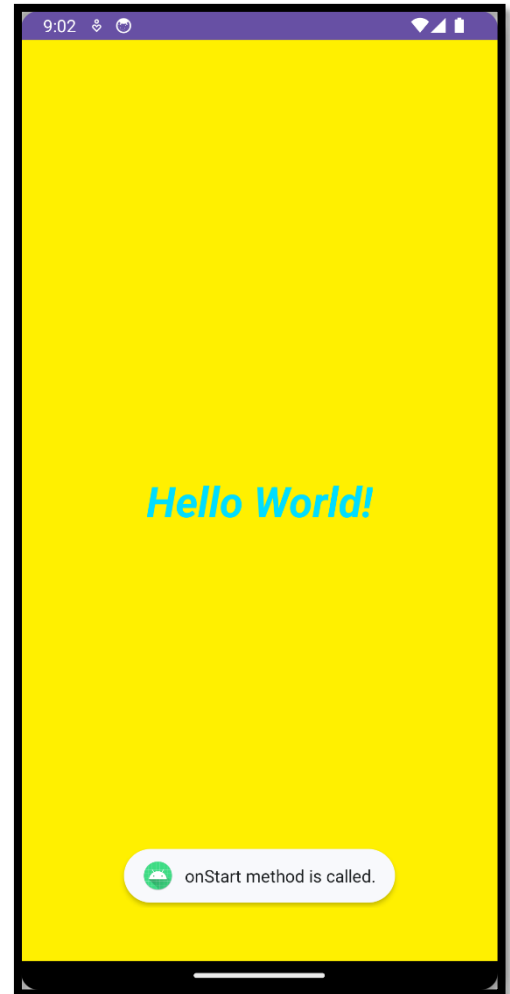
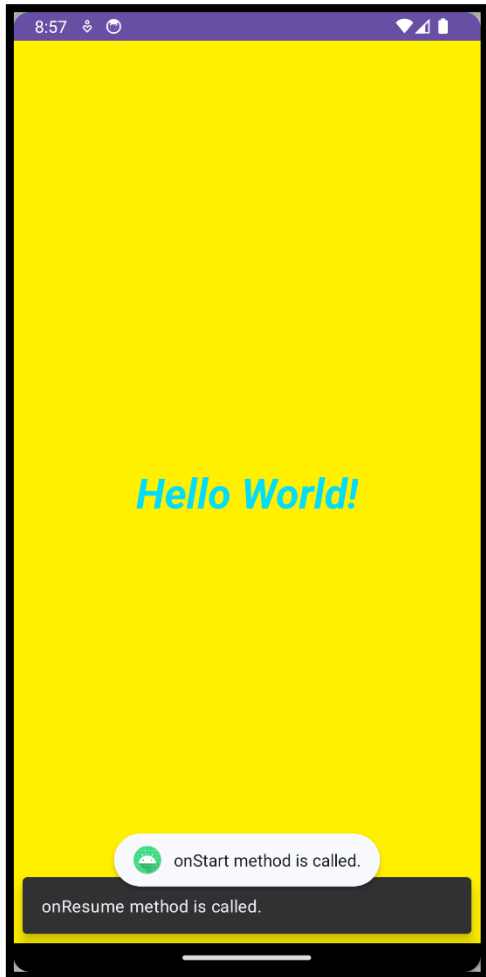
    fun showMsg(message: String) {
        Log.i(TAG, message)
        Toast.makeText(this, message, Toast.LENGTH_SHORT).show()
        val constraint : ConstraintLayout? =
findViewById(R.id.mainConstraint)
        if (constraint != null){

Snackbar.make(constraint,message,Snackbar.LENGTH_SHORT).show()
        }
    }
}
```

## Practical: 2

---

### Output :-



### Snackbar Message

### Toast Message

5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onCreate method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onStart method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onResume method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onPause method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onStop method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onRestart method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onStart method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onResume method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onPause method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onStop method is called.
5380-5380	MainActivity	com...e.mad_practical_2_21012021070	I	onDestroy method is called.

### Log Message in LogCat