

## Practical : 2

- create Activity to display "Hello word" in textview in the center of Activity screen with yellow background; background = "#FFFF00") layout background of Activity. textview properties should be hold blue color; color = @android:color/holo\_blue\_bright; 27sp font size; textsize = "27sp") and message text style bold and italic; 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.

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"
    tools:context=".MainActivity"
    android:background="#FFFF00"
    android:id="@+id/mycg">
```

<TextView

android:layout\_width="wrap\_content"



```

<android:layout_height="wrap-content"
<android:text="Hello world"/>
<android:id="@+id/openActivity"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
<android:textColor="@color/holo-blue-bright"
<android:textSize="27sp"
<android:textStyle="bold/italic"/>
</androidx.constraintlayout.widget.ConstraintLayout>

```



mainActivity.kt

package com.example.madpractical2-21012022042

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() {

private val TAG = "MainActivity"

private lateinit var myCl: ConstraintLayout

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentViews(R.layout.activity\_main)

myCl = findViewById(R.id.myCl)

Log.i(TAG, "onCreate! Function called")

Toast.makeText(this, "onCreate! Function called", Toast.LENGTH\_LONG).show()

Snackbar.make(myCl, "onCreate! Function called", Snackbar.LENGTH\_LONG).show()

}

override fun onStart() {

Log.i(TAG, "onStart! Function called")

Toast.makeText(this, "onStart! Function called", Toast.LENGTH\_LONG).show()



```
Snackbar.make(myctx, "onstart; Function called",
Snackbar.LENGTH_LONG).show()
super.onStart()
}
```

```
override fun onStart() {
    super.onStart()
    Log.i(TAG, "onRestart; Function called")
    Toast.makeText(this, "onRestart; Function
called", Toast.LENGTH_LONG).show()
    Snackbar.make(myctx, "onRestart; Function
called",
Snackbar.LENGTH_LONG).show()
}
```

```
override fun onResume() {
    super.onResume()
    Log.i(TAG, "onResume; Function called")
    Toast.makeText(this, "onResume; Function
called", Toast.LENGTH_LONG).show()
    Snackbar.make(myctx, "onResume; Function
called",
Snackbar.LENGTH_LONG).show()
}
```

```
override fun onPause() {
    super.onPause()
    Log.i(TAG, "onStop; Function called")
    Toast.makeText(this, "onStop; Function
called", Toast.LENGTH_LONG).show()
    Snackbar.make(myctx, "onPause; Function called",
Snackbar.LENGTH_LONG).show()
}
```



override fun onStop() {

super.onStop()

Log.i(TAG, "onStop: Function called")

Toast.makeText(this, "onStop: Function called", Toast.LENGTH\_LONG).show()

Snackbar.make(this, "onStop: Function called",

Snackbar.LENGTH\_LONG).show()

}

override fun onDestroy() {

super.onDestroy()

Log.i(TAG, "onDestroy: Function called")

Toast.makeText(this, "onDestroy: Function called", Toast.LENGTH\_LONG).show()

Snackbar.make(this, "onDestroy: Function called",

Snackbar.LENGTH\_LONG).show()

}

}