**Pract 3**

Programming Activities and fragments Activity Life Cycle, Activity methods, Multiple Activities, Life Cycle of fragments and multiple fragments.

**activityMain.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">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 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.pract\_3  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.util.Log  
class MainActivity : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 print("onCreate") }  
 override fun onStart(){ super.onStart()  
 print("onStart") }  
 override fun onResume(){ super.onResume()  
 print("onResume") }  
 override fun onStop(){ super.onStop()  
 print("onStop") }  
 override fun onDestroy(){ super.onDestroy()  
 print("onDestroy") }  
 override fun onRestart(){ super.onRestart()  
 print("onRestart") }  
 fun print(msg:String){  
 Log.d("Activity State : ", msg)  
 }  
}