Write a program to create a HelloWorld Activity using all lifecycles methods to display messages using Log.d. Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  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!"
    android:gravity="center"
    android:layout marginTop="300dp"
    android:layout_marginLeft="150dp"
/>
</LinearLayout>
```

MainActivity.java

```
package com.example.activity;
import androidx.appcompat.app.AppCompatActivity;
import android.util.Log;
import android.os.Bundle;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    Toast.makeText(MainActivity.this,"create",Toast.LENGTH SHORT).show();
    Log.d("Create","onCreate invoked");
  }
  protected void onStart() {
    super.onStart();
    Toast.makeText(MainActivity.this, "Start", Toast.LENGTH_SHORT).show();
    Log.d("Start","onStart invoked");
  }
  protected void onResume() {
    super.onResume();
    Toast.makeText(MainActivity.this,"Resume",Toast.LENGTH_SHORT).show();
    Log.d("Resume","onResume invoked");
  }
  protected void onPause() {
    super.onPause();
    Toast.makeText(MainActivity.this,"Pause",Toast.LENGTH_SHORT).show();
    Log.d("Pause","onPause invoked");
  }
  protected void onStop() {
```

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```
super.onStop();
Toast.makeText(MainActivity.this,"Stop",Toast.LENGTH_SHORT).show();
Log.d("Stop","onStop invoked");
}
protected void onRestart() {
    super.onRestart();
    Toast.makeText(MainActivity.this,"Restart",Toast.LENGTH_SHORT).show();
    Log.d("Restart","onRestart invoked");
}
protected void onDestroy() {
    super.onDestroy();
    Toast.makeText(MainActivity.this,"Destroy",Toast.LENGTH_SHORT).show();
    Log.d("Destroy","onDestroy invoked");
}
```

OUTPUT:

```
Davey! duration=45717ms; Flags=1, FrameTimelineVsyncId=4545, IntendedVsyncD onPause invoked
OnStop invoked
OnRestart invoked
OnStart invoked
OnResume invoked
Skipped 68 frames! The application may be doing too much work on its main
```