


















 Anuayshh / HelloWorld







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 README.md 

# Ex.No:1 To create a HelloWorld Activity using all lifecycles methods to display messages.

## 🔗 AIM:

To create a HelloWorld Activity using all lifecycles methods to display messages using Android Studio.

## EQUIPMENTS REQUIRED:

Latest Version Android Studio

## ALGORITHM:

Step 1: Open Android Stdio and then click on File -> New -> New project.

Step 2: Then type the Application name as HelloWorld and click Next.

Step 3: Then select the Minimum SDK as shown below and click Next.

Step 4: Then select the Empty Activity and click Next. Finally click Finish.

Step 5: Design layout in activity\_main.xml.

Step 6: Display message give in MainActivity file.

Step 7: Save and run the application.

## PROGRAM:

---



```
/*
Program to print the text "Hello World".
Developed by: V R Anu Ayshwarya
Registration Number : 212221040016
*/
MainActivity.java:
package com.example.helloworld;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    private static final String TAG = "HelloWorldActivity";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Log.d(TAG, "onCreate: ");
        Toast.makeText(this, "onCreate", Toast.LENGTH_SHORT).show();
    }

    @Override
    protected void onStart() {
        super.onStart();
        Log.d(TAG, "onStart: ");
        Toast.makeText(this, "onStart", Toast.LENGTH_SHORT).show();
    }

    @Override
    protected void onResume() {
        super.onResume();
        Log.d(TAG, "onResume: ");
        Toast.makeText(this, "onResume", Toast.LENGTH_SHORT).show();
    }

    @Override
    protected void onPause() {
        super.onPause();
        Log.d(TAG, "onPause: ");
        Toast.makeText(this, "onPause", Toast.LENGTH_SHORT).show();
    }

    @Override
    protected void onStop() {
        super.onStop();
        Log.d(TAG, "onStop: ");
        Toast.makeText(this, "onStop", Toast.LENGTH_SHORT).show();
    }

    @Override
    protected void onDestroy() {
        super.onDestroy();
        Log.d(TAG, "onDestroy: ");
        Toast.makeText(this, "onDestroy", Toast.LENGTH_SHORT).show();
    }
}
```

```
}

@Override
protected void onRestart() {
    super.onRestart();
    Log.d(TAG, "onRestart: ");
    Toast.makeText(this, "onRestart", Toast.LENGTH_SHORT).show();
}
}
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">

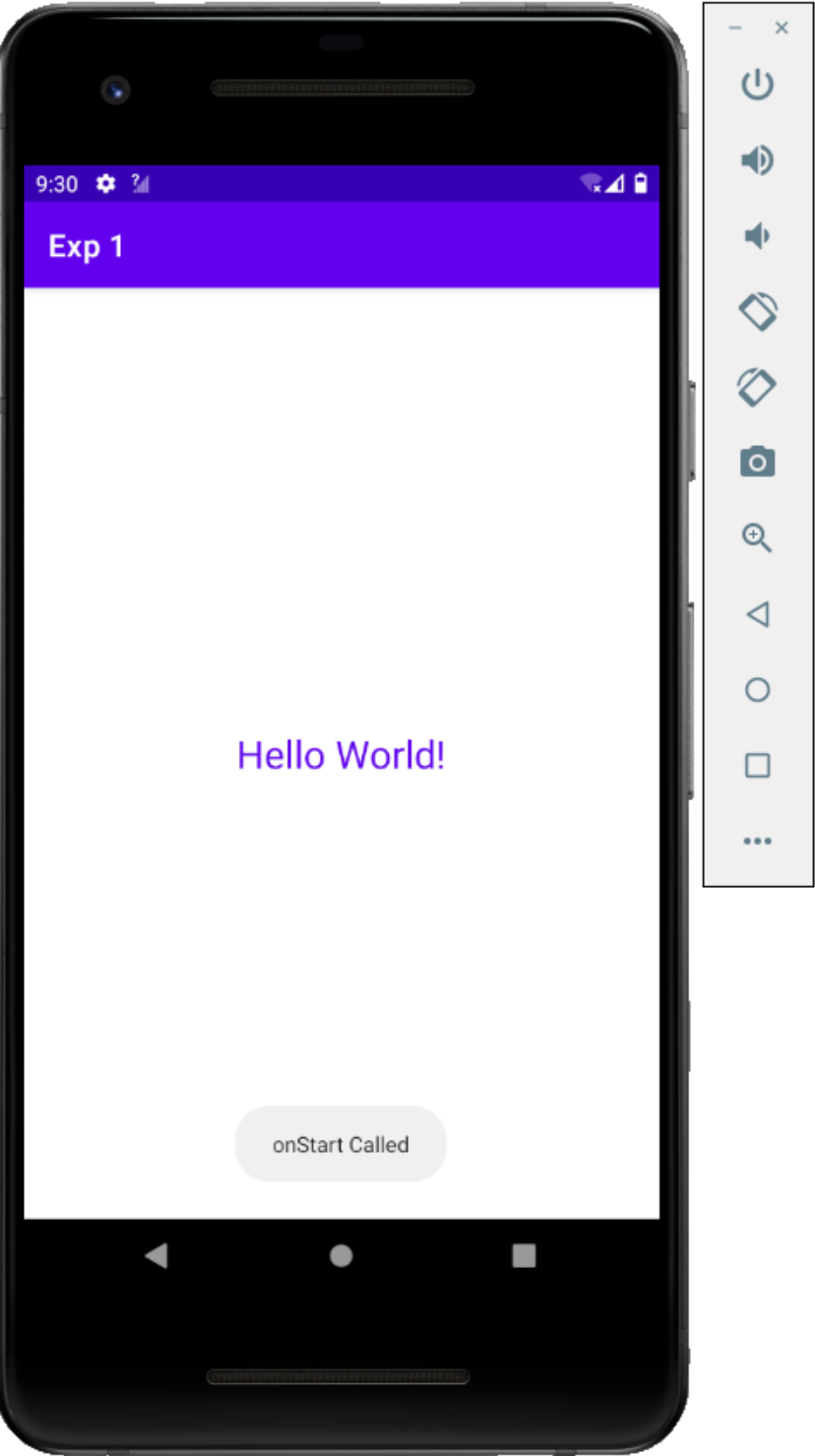
    <TextView
        android:layout_width="238dp"
        android:layout_height="105dp"
        android:text="Hello World!"
        android:textSize="100px"
        android:textStyle="italic"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.591"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.499" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

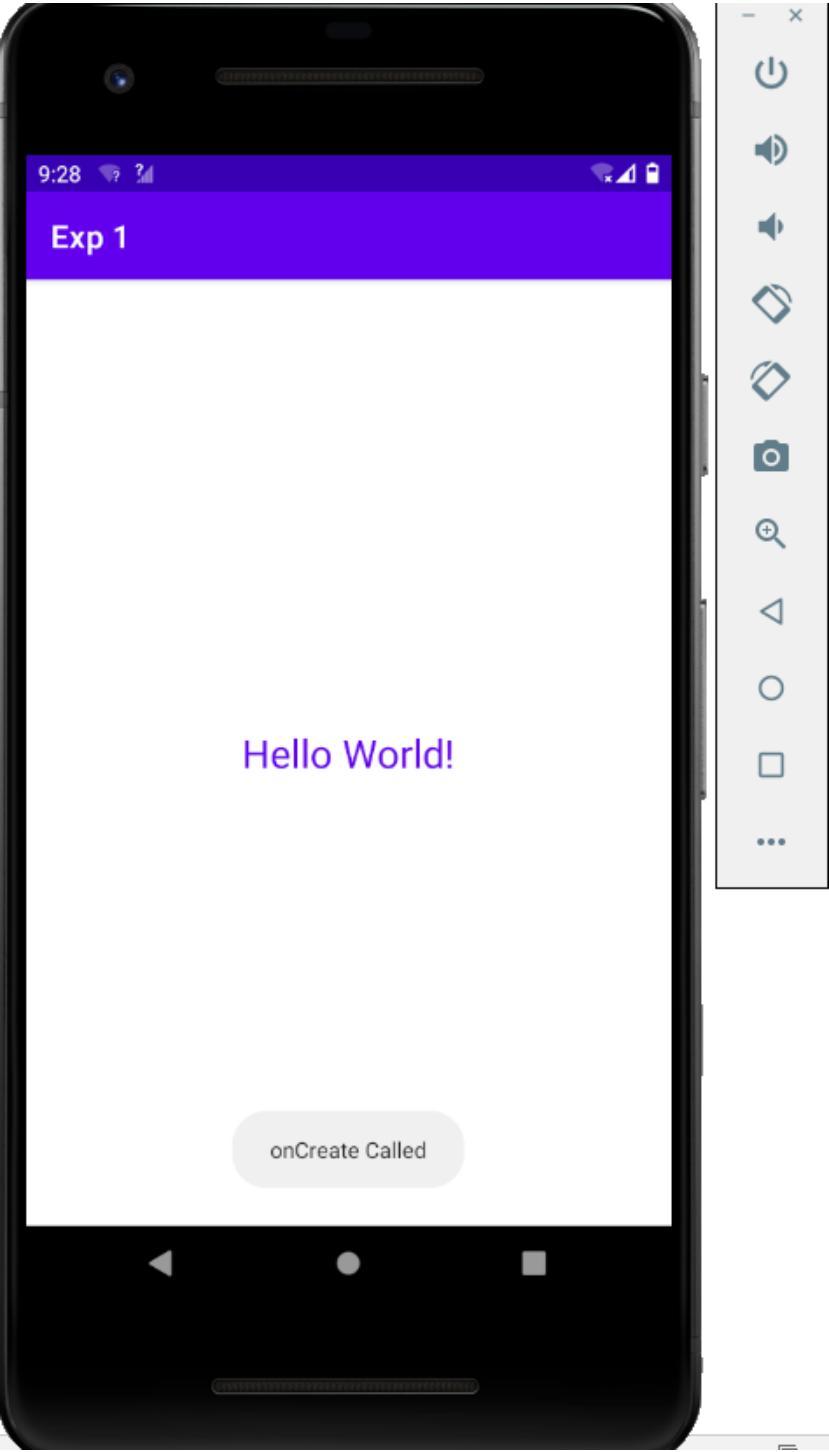
## OUTPUT:

---

# onCreate()

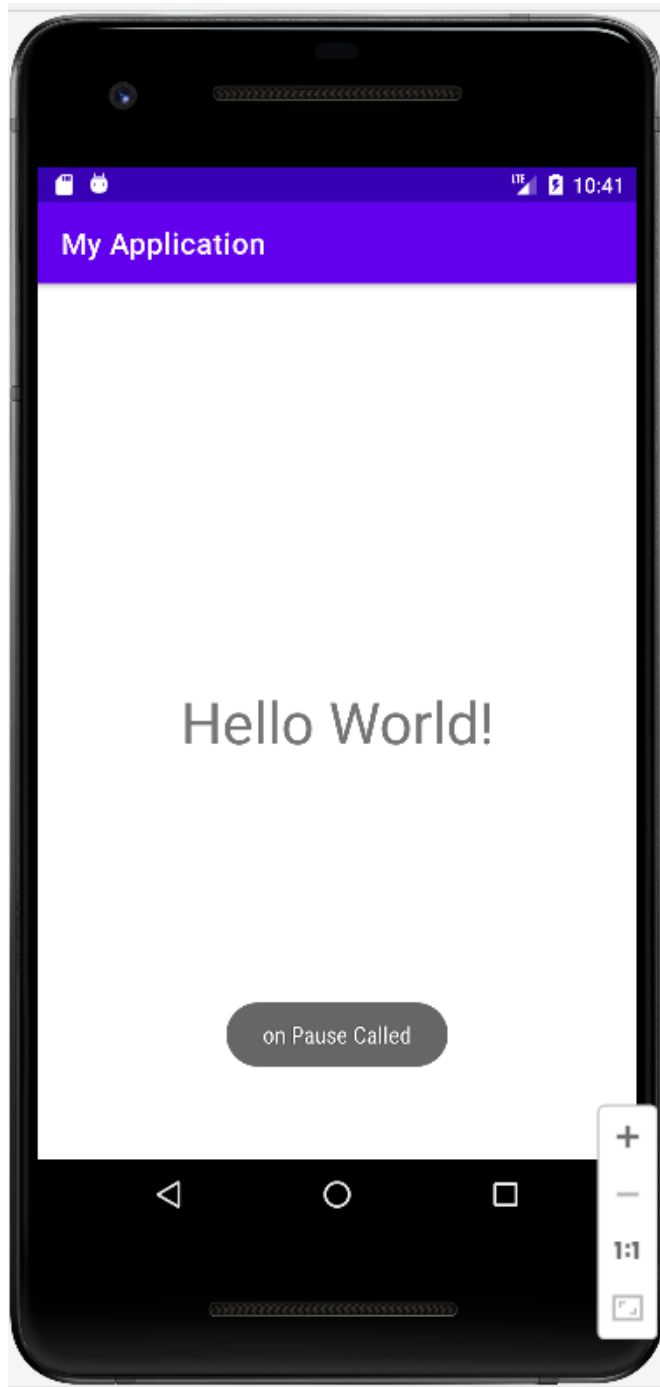


# onRestart()



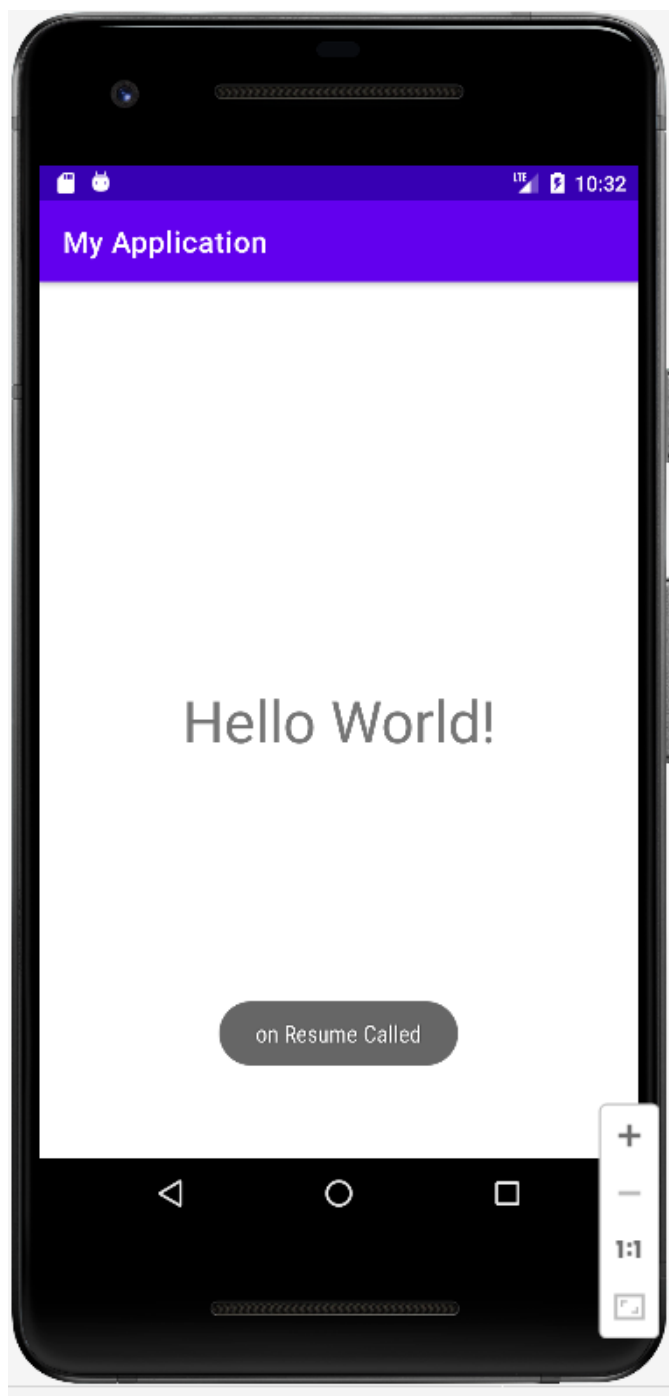
## onPause()

---

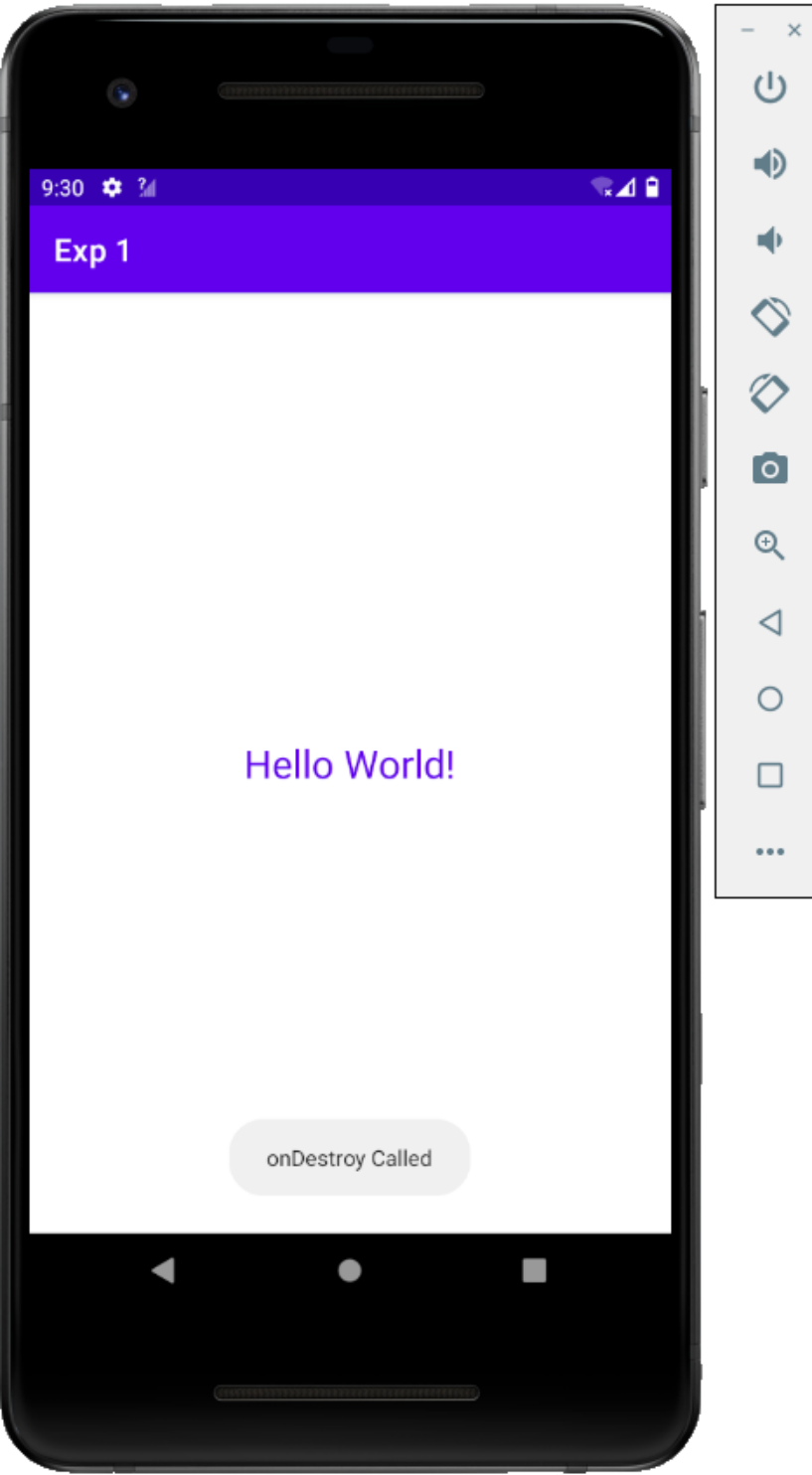


## onResume()

---



# onDestroy()



## RESULT

Thus a Simple Android Application create a HelloWorld Activity using all lifecycles methods to display messages using Android Studio is developed and executed successfully.

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