PROGRAM – 1

```
/**************************************************************/
/* Name of the Program: activity_life_cycle */
/* Aim: Develop an Android Application to demonstrate Android Activity Life cycle*/
/* Author: Shino Varghese */
/* Date: 08.01.2018 */
/* Program No: 1 */
/**************************************************************/


/**************************************************************/
```

XML Code

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.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="com.example.mcaguest.cycle1.MainActivity">
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Hello World!"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
</android.support.constraint.ConstraintLayout>
```

Java Code

MainActivity.java

```java
package com.example.mcaguest.cycle1;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
@Override
protected void onCreate(Bundle savedInstanceState) {
```

```java
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
//Making toast to display messages
Toast.makeText(this,"onCreate", Toast.LENGTH_SHORT).show();
}
@Override
protected void onStart() {
super.onStart();
Toast.makeText(this,"onStart", Toast.LENGTH_SHORT).show();
}
@Override
protected void onResume() {
super.onResume();
Toast.makeText(this,"onResume", Toast.LENGTH_SHORT).show();
}
@Override
protected void onPause() {
super.onPause();
Toast.makeText(this,"onPause", Toast.LENGTH_SHORT).show();
}
@Override
protected void onStop() {
super.onStop();
Toast.makeText(this,"onStop", Toast.LENGTH_SHORT).show();
}
@Override
protected void onDestroy() {
super.onDestroy();
Toast.makeText(this,"onDestroy", Toast.LENGTH_SHORT).show();
}
}
/*******************************************************************/



/*******************************************************************/
/* RESULT: */
/* */
/* Program is executed and the output is verified */
/*******************************************************************/
```