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Course - BCA   Sem /sec. - 5C

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Subject - Mobile Application development

2. Develop an android application to demonstrate activity
   life cycle using logcat.

XML code -

```xml
<? xml version = "1.0" encoding = "utf -8"?>
<androix . constraint Layout . 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 : layot width = " match parent"
android : layout height = "match parent"
tools : content = " .MainActivity">


    <Text View
        android :id = "@+ id /textView"
        android ; layout width =" Wrap content"
        android : layout height = "Wrap content"
        android : text = " hello world !"
        android ; textsize = "40 sp"
        android : textStyle = " bold"
        app: layout ConstraintBottom toBottomOf = "parent"
        app : layout ConstraintEnd toEndOf = "parent"
```

```
        app: layout constraintStart toStartOf ="parent",
        app: layout constraintTop toTopof ="parent"/>
    </androidx.constraintlayout.widget.constraintLayouts
```

Main activity : Java code -

```
Package com.example.myapp;

import android.util.Log;
import android.app.Activity;
import android.os.Bundle;

public class MainActivity extends Activity {

    @Override
    protected void OnCreate (Bundle savedInstanceState) {
        super.onCreate (SavedInstanceState);
        SetContentView (R.layout.activity_main);
        Log.d ("lifecycle"," OnCreate invoked");
    }
    @Override
    protected void onStart () {
        super.onStart ();
        Log.d (" lifecycle ", " onStart invoked");
    }
    @Override
    protected void onResume () {
        super.onResume ();
        Log.d (" lifecycle", " onResume invoked");
    }
```

```java
@Override
protected void onPause() {
    super.onPause();
    Log.d("Lifecycle", "onPause invoked");
}

@Override
protected void onStop() {
    super.onStop();
    Log.d("lifecycle", "onStop invoked");
}

@Override
protected void onRestart() {
    super.onRestart()
    Log.d("lifecycle", "onRestart invoked");
}

@Override
protected void onDestroy() {
    super.onDestroy();
    Log.d("lifecycle", "onDestroy invoked");
}
}
```