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Sem - 5th   Sec- A

Subj - Mobile Application Development.

Subj. Code- PBC-502

Ans 2   Android app. to demonstrate activity ~~by~~ life cycle
using   logcat

<u>activity-main.xml</u>

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout xmlns:android =
     "http://schemas.a  xmlns:app="http://schemas.androi
                                     com/apk/res-auto"

    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:content="example.practical.com.activitylifecycle.
                            MainActivity">

<TextView
    android:layout_width="wrap content"
    android:layout_height="wrap_content"
    android:text="First activity"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent"/>

</android.support.constraint.ConstraintLayout>
```

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MainActivit.java

```java
package example.android.com.activitylifecycle;
import android.app.Activity;
import android.os.Bundle;
import android.util.Log;

public class MainActivity extends Activity {
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Log.d("lifecycle", "onCreate invoked");
    }
    protected void onStart() {
        super.onStart();
        Log.d("lifecycle", "onStart invoked");
    }
    protected void onResume() {
        super.onResume();
        Log.d("lifecycle", "onResume invoked");
    }
    protected void onPause() {
        super.onPause();
        Log.d("lifecycle", "on Pause invoked");
    }
    protected void onStop() {
        super.onStop();
        Log.d("lifecycle", "onStop invoked");
    }
```

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

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

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First Activity

First on Resume