Experiment No. 3

Aim: Create application for demonstration of android activity life cycle.

Program:

- **Activity.xml:-**

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
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"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/txt"
        android:text="Manish Jadhav"
        android:layout_marginTop="250dp"
        android:layout_marginLeft="150dp"
        />

    <Button
        android:layout_height="wrap_content"
        android:layout_width="wrap_content"
        android:id="@+id/btn"
        android:text="Submit"
        android:layout_marginLeft="150dp"
        />

</LinearLayout>
```
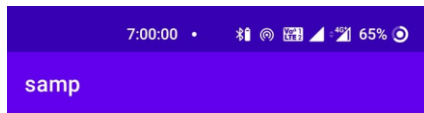
- **MainActivity.java:-**

```java
package com.example.samp;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Log.d("message","onCreate() is called");
    }
    protected void onStart(){
        super.onStart();
        Log.d("message","onStart() is called");
    }
    protected void onResume(){
        super.onResume();
        Log.d("message","onResume() is called");
    }
    protected void onPause(){
        super.onPause();
        Log.d("message","onPause() is called");
    }
    protected void onStop(){
        super.onStop();
        Log.d("message","onStop() is called");
    }
    protected void onRestart(){
        super.onRestart();
        Log.d("message","onRestart() is called");
    }
    protected void onDestroy(){
        super.onDestroy();
        Log.d("message","onDestroy() is called");
    }
}
```

Conclusion:

Hence, by completing this experiment I came to know that how to Create application for demonstration of android activity life cycle.

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)