
Experiment No.: 2

Aim

Write a program that demonstrates Activity Lifecycle.

CO1

Design and develop user interfaces for mobile apps using basic building blocks, UI components and application structure using Emulator

Procedure

Activity_main.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"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Activity Life cycle!"
        android:textColor="#910000"
        android:textSize="40dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"

        app:layout_constraintStart_toStartOf="parent"
```

```
        app:layout_constraintTop_toTopOf="parent" />
</LinearLayout>
```

MainActivity.java

```
public class MainActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        Log.d("act_LC", "OnCreate Invoke");

    }

    @Override

    protected void onStart(){

        super.onStart();

        Log.d("act_LC", "onStart");

    }

    @Override

    protected void onResume(){

        super.onResume();

        Log.d("act_LC", "onResume");

    }

    @Override

    protected void onPause(){

        super.onPause();

        Log.d("act_LC", "onPause");

    }

    @Override

    protected void onStop(){
```

```
        super.onStop();

        Log.d("act_LC","onStop");
    }

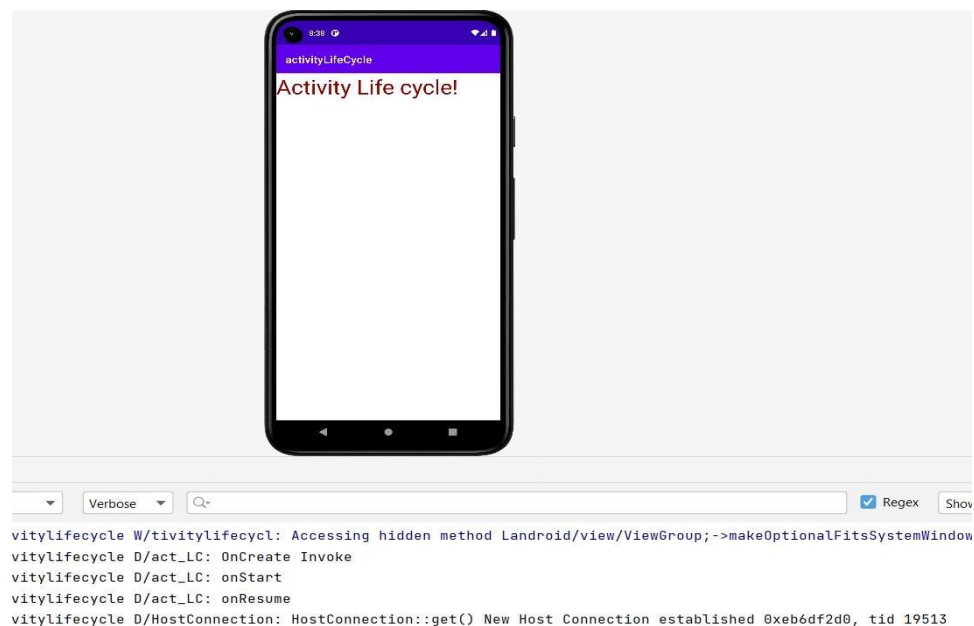
    @Override
    protected void onRestart(){
        super.onRestart();

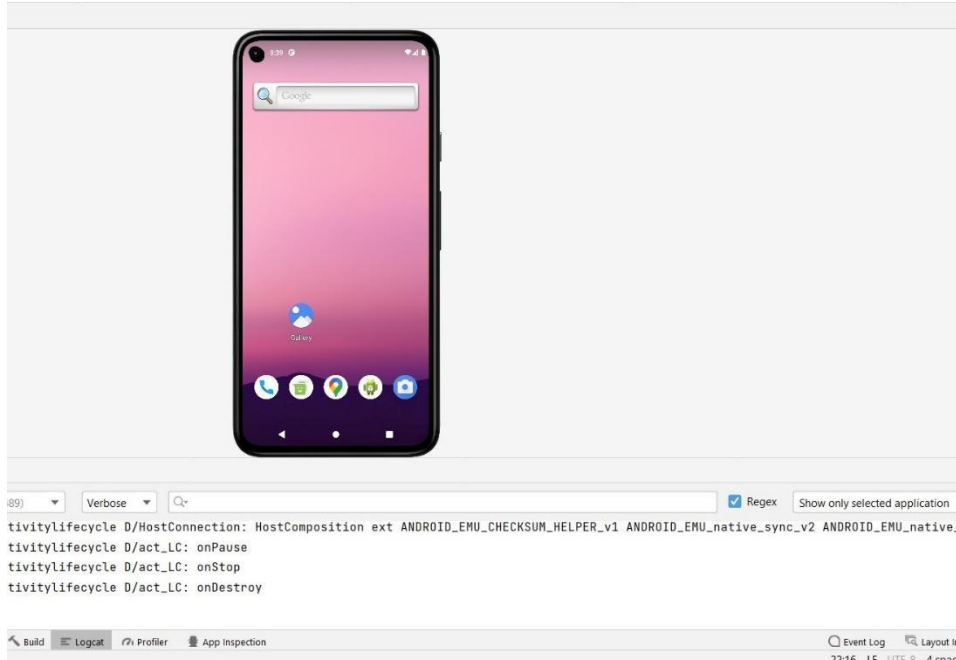
        Log.d("act_LC","onRestart");
    }

    @Override
    protected void onDestroy(){
        super.onDestroy();

        Log.d("act_LC","onDestroy");
    }
}
```

Output Screenshot





Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.