**Activity life cycle**

**activity\_main.xml:**

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.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:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Welcome"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintLeft\_toLeftOf="parent"

app:layout\_constraintRight\_toRightOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.Java:**

package com.example.lifecycle;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.util.Log;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

Log.i("State","onCreate");

}

@Override

protected void onStart() {

super.onStart();

Log.i("State","onStart");

}

@Override

protected void onResume() {

super.onResume();

Log.i("State","onResume");

}

@Override

protected void onPause() {

super.onPause();

Log.i("State","onCreate");

}

@Override

protected void onRestart() {

super.onRestart();

Log.i("State","onRestart");

}

@Override

protected void onStop() {

super.onStop();

Log.i("State","onStop");

}

@Override

protected void onDestroy() {

super.onDestroy();

Log.i("State","onDestroy");

}

}

**Output:**

Text

Description automatically generated

A picture containing chart

Description automatically generated