

Practical No - 17

Name – Aakash Mohole

RollNo – 56

Enroll No – 1915770205

Q1]

XML –

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

<RelativeLayout 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="Hello World!"
        android:textStyle="bold"
        android:layout_marginTop="150dp"
        android:layout_marginLeft="100dp"
        android:textSize="40dp"

        />

</RelativeLayout>
```

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JAVA -

```
package com.example.pr20;

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.d("Activity: ", "Created");
    }

    @Override
    protected void onStart() {
        super.onStart();
        Log.d("Activity: ", "Started");
    }

    @Override
    protected void onResume() {
        super.onResume();
        Log.d("Activity: ", "Resume");
    }

    @Override
    protected void onPause() {
        super.onPause();
    }
}
```

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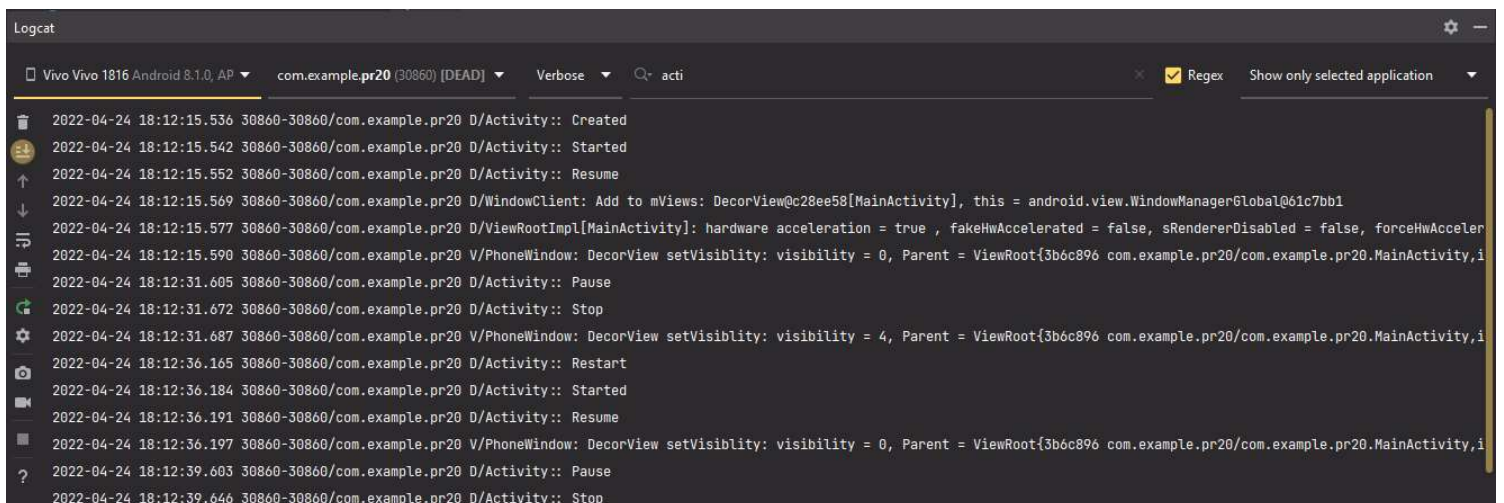
```
        Log.d("Activity: ", "Pause");
    }

    @Override
    protected void onStop() {
        super.onStop();
        Log.d("Activity: ", "Stop");
    }

    @Override
    protected void onRestart() {
        super.onRestart();
        Log.d("Activity: ", "Restart");
    }

    @Override
    protected void onDestroy() {
        super.onDestroy();
        Log.d("Activity: ", "Destroy");
    }
}
```

OUTPUT –



The screenshot shows the Logcat window in Android Studio. The top bar indicates the device is 'Vivo Vivo 1816 Android 8.1.0, AP' and the package is 'com.example.pr20 (30860) [DEAD]'. The log level is set to 'Verbose' and the search filter is 'acti'. The log entries show the following sequence of events:

- 2022-04-24 18:12:15.536 30860-30860/com.example.pr20 D/Activity:: Created
- 2022-04-24 18:12:15.542 30860-30860/com.example.pr20 D/Activity:: Started
- 2022-04-24 18:12:15.552 30860-30860/com.example.pr20 D/Activity:: Resume
- 2022-04-24 18:12:15.569 30860-30860/com.example.pr20 D/WindowClient: Add to mViews: DecorView@c28ee58[MainActivity], this = android.view.WindowManagerGlobal@61c7bb1
- 2022-04-24 18:12:15.577 30860-30860/com.example.pr20 D/ViewRootImpl[MainActivity]: hardware acceleration = true , fakeHwAccelerated = false, sRendererDisabled = false, forceHwAccelerated = false
- 2022-04-24 18:12:15.590 30860-30860/com.example.pr20 V/PhoneWindow: DecorView setVisiblity: visibility = 0, Parent = ViewRoot{3b6c896 com.example.pr20/com.example.pr20.MainActivity,i
- 2022-04-24 18:12:31.605 30860-30860/com.example.pr20 D/Activity:: Pause
- 2022-04-24 18:12:31.672 30860-30860/com.example.pr20 D/Activity:: Stop
- 2022-04-24 18:12:31.687 30860-30860/com.example.pr20 V/PhoneWindow: DecorView setVisiblity: visibility = 4, Parent = ViewRoot{3b6c896 com.example.pr20/com.example.pr20.MainActivity,i
- 2022-04-24 18:12:36.165 30860-30860/com.example.pr20 D/Activity:: Restart
- 2022-04-24 18:12:36.184 30860-30860/com.example.pr20 D/Activity:: Started
- 2022-04-24 18:12:36.191 30860-30860/com.example.pr20 D/Activity:: Resume
- 2022-04-24 18:12:36.197 30860-30860/com.example.pr20 V/PhoneWindow: DecorView setVisiblity: visibility = 0, Parent = ViewRoot{3b6c896 com.example.pr20/com.example.pr20.MainActivity,i
- 2022-04-24 18:12:39.603 30860-30860/com.example.pr20 D/Activity:: Pause
- 2022-04-24 18:12:39.646 30860-30860/com.example.pr20 D/Activity:: Stop

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Hello World!

