Practical No.: 13.1

Aim: Simple Progress Bar in Android

Source Code:

```
activity_main.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">
  <ProgressBar
    android:id="@+id/simpleProgressBar"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:layout centerHorizontal="true"
    android:layout_marginTop="10dp"
    android:visibility="invisible"/>
  <Button
    android:id="@+id/startButton"
    android:layout width="200dp"
    android:layout_height="wrap_content"
    android:layout below="@id/simpleProgressBar"
    android:text="Start"
    android:layout_marginTop="40dp"
    android:layout_centerHorizontal="true"/>
</RelativeLayout>
MainActivity.java
package com.example.practical_no_13_1;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ProgressBar;
public class MainActivity extends AppCompatActivity {
  ProgressBar progressBar;
  Button button;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
```

setContentView(R.layout.activity main);

$progressBar = findViewById(R.id.simpleProgressBar);\\ button = findViewById(R.id.startButton);\\$

```
button.setOnClickListener(
    new View.OnClickListener() {
        @Override
        public void onClick(View v) {
             progressBar.setVisibility(View.VISIBLE);
        }
        }
    );
}
```

Output:

