

## Practical No.: 13.2

### Aim: Horizontal 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"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <ProgressBar
        android:id="@+id/horizontalProgressBar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        style="?android:attr/progressBarStyleHorizontal"
        android:layout_marginTop="16dp"
        android:indeterminate="false"
        android:max="100"
        android:minHeight="100dp"
        android:progress="2"
        android:progressBackgroundTint="@color/colorPrimaryDark"/>

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:gravity="center_horizontal"
        android:text="@string/status"
        android:textSize="22sp"/>

</RelativeLayout>
```

##### MainActivity.java

```
package com.example.practical_no_13_2;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.os.Handler;
import android.widget.ProgressBar;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    ProgressBar progressBar;
    int progressStatusCounter=0;
    TextView textView;
    Handler progressHandler=new Handler();

    @Override
```

```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    progressBar=findViewById(R.id.horizontalProgressBar);
    textView=findViewById(R.id.textView);

    new Thread(new Runnable() {
        @Override
        public void run() {
            while(progressStatusCounter<100)
            {
                progressStatusCounter+=2;
                progressHandler.post(new Runnable() {
                    @Override
                    public void run() {
                        progressBar.setProgress(progressStatusCounter);
                        textView.setText("Status :
"+progressStatusCounter+"/"+progressBar.getMax());
                    }
                });
                try {
                    Thread.sleep(300);
                } catch (InterruptedException e) {
                    e.printStackTrace();
                }
            }
        }
    }).start();
}

```

**Output:**

