2)

Activity main. Xml

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

<RelativeLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

xmlns:app="http://schemas.android.com/apk/res-auto"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Download File"

android:id="@+id/btn"

android:layout\_centerVertical="true"

android:layout\_centerInParent="true"

/>

</RelativeLayout>

Activity main .java

package com.example.progressbar;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.os.Handler;

import android.view.View;

import android.widget.Button;

import android.widget.ProgressBar;

import android.widget.TextView;

import com.example.progressbar.R;

public class MainActivity extends AppCompatActivity {

int count;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

Button btn = (Button) findViewById(R.id.btn);

Intent i1 = new Intent(getApplicationContext(), ProgressBar2.class);

btn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

int count = 1;

i1.putExtra("Value",count);

startActivity(i1);

}

});

}

}

Activity ProgressBar .xml:

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

<RelativeLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

xmlns:app="http://schemas.android.com/apk/res-auto"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<ProgressBar

android:id="@+id/pg"

style="@style/Widget.AppCompat.ProgressBar.Horizontal"

android:layout\_width="250dp"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"

android:max="100"

android:progress="0" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/txt"

android:layout\_below="@id/pg"

android:textSize="20dp"

android:layout\_marginLeft="280dp"

/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/txt1"

android:layout\_below="@id/pg"

android:textSize="20dp"

android:layout\_marginLeft="80dp"/>

</RelativeLayout>

ProgressBar2.java

package com.example.progressbar;

import static java.lang.Integer.parseInt;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.content.Intent;

import android.os.Bundle;

import android.os.Handler;

import android.renderscript.Sampler;

import android.widget.ProgressBar;

import android.widget.TextView;

public class ProgressBar2 extends AppCompatActivity {

private ProgressBar pgsBar;

private int i = 0;

TextView txtView , txtView1;

Handler hdlr = new Handler();

@SuppressLint("MissingInflatedId")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_progress\_bar2);

pgsBar = (ProgressBar) findViewById(R.id.pg);

txtView1 = (TextView) findViewById(R.id.txt1);

txtView = (TextView) findViewById(R.id.txt);

i = pgsBar.getProgress();

Intent i1 = getIntent();

int getcount = (Integer) i1.getSerializableExtra("Value");

if (getcount == 1) {

new Thread(new Runnable() {

public void run() {

while (i < 100) {

i += 1;

hdlr.post(new Runnable() {

public void run() {

pgsBar.setProgress(i);

txtView.setText(i + "/" + pgsBar.getMax());

txtView1.setText(i+"%");

}

});

try {

Thread.sleep(100);

} catch (InterruptedException e) {

e.printStackTrace();

}

}

}

}).start();

}

}

}

Output:

