generate Fibonacci series of

MainActivity.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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"  
 android:orientation="vertical">  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="enetr no.1"  
 android:id="@+id/ed1"  
  
  
 ></EditText>  
  
 <Button  
 android:id="@+id/bt4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:onClick="febo"  
 android:textStyle="bold"  
 android:text="febonacchi"  
 ></Button>  
  
  
  
  
  
</LinearLayout>

MAinActivity.java

package com.example.practice;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
  
  
 EditText e1;  
 Button b4;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
  
 e1=findViewById(R.id.*ed1*);  
  
  
 b4=findViewById(R.id.*bt4*);  
  
  
  
 }  
  
 public void febo(View view){  
 String data1= e1.getText().toString();  
  
 int n1=Integer.*parseInt*(data1);  
  
  
 String data=Integer.*toString*(n1);  
 Intent i= new Intent(MainActivity.this, b.class);  
 i.putExtra("key",data);  
 startActivity(i);  
  
 }  
  
  
}

B.XML

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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=".b"  
  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/tx1"  
 android:textStyle="bold"  
 android:textSize="100px"  
  
 ></TextView>  
  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/bt1"  
 android:onClick="back"  
 android:text="back"  
  
 ></Button>  
  
</LinearLayout>

b.java

package com.example.practice;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
  
import java.lang.reflect.Array;  
import java.math.BigInteger;  
import java.util.ArrayList;  
  
public class b extends AppCompatActivity {  
 TextView t1;  
 Button b1;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_b*);  
 t1=findViewById(R.id.*tx1*);  
 b1=findViewById(R.id.*bt1*);  
 Intent i2= getIntent();  
 String data= i2.getStringExtra("key");  
 int n= Integer.*parseInt*(data);  
  
  
  
 t1.setText(fib(n));  
  
 }  
  
 public void back(View view)  
 {  
 Intent i= new Intent(b.this, MainActivity.class);  
 startActivity(i);  
 }  
  
private String fib(int n)  
{  
 String text="";  
 ArrayList<BigInteger> fi= new ArrayList<>();  
 BigInteger first= new BigInteger("0");  
 BigInteger second= new BigInteger("1");  
 fi.add(first);  
 fi.add(second);  
 for(int i=1;i<n;i++)  
 {  
 fi.add(fi.get(i).add(fi.get(i-1)));  
 }  
 for(int i=1;i<=n;i++)  
 {  
 text=text+i+". "+fi.get(i)+'\n';  
 }  
 return text;  
  
}  
  
  
}