Task resolver :

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">  
  
 <TextView  
 android:layout\_width="362dp"  
 android:layout\_height="97dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="26dp"  
 android:layout\_marginBottom="624dp"  
 android:gravity="center"  
 android:text="Task Resolver"  
 android:textSize="30sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <Button  
 android:id="@+id/palindrome"  
 android:layout\_width="209dp"  
 android:layout\_height="89dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="99dp"  
 android:layout\_marginBottom="461dp"  
 android:textSize="30dp"  
 android:onClick="checkPalin"  
 android:text="Palindrome" />  
  
 <Button  
 android:id="@+id/fibo"  
 android:layout\_width="209dp"  
 android:layout\_height="89dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="102dp"  
 android:layout\_marginBottom="160dp"  
 android:onClick="getFibonacci"  
 android:text="Fibonacci"  
 android:textSize="30dp" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="209dp"  
 android:layout\_height="89dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="99dp"  
 android:layout\_marginBottom="292dp"  
 android:onClick="checkGreatest"  
 android:text="Greatest of 2 num"  
 android:textSize="30dp" />  
  
</RelativeLayout>

MainActivity.java:

package com.example.task\_solver\_intent;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
 public void checkPalin(View v) {  
 Intent intent = new Intent(getApplicationContext(), Palindrome.class);  
 startActivity(intent);  
 }  
 public void checkGreatest(View v) {  
 Intent intent = new Intent(getApplicationContext(), Greatest.class);  
 startActivity(intent);  
 }  
  
 // I have added One more operation for your reference.  
 // I will encourge you to add more operation, it will fit into your brain...  
 public void getFibonacci(View v) {  
 Intent intent = new Intent(getApplicationContext(), Fibonacci.class);  
 startActivity(intent);  
 }  
}

activity\_palindrome.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=".Palindrome">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="313dp"  
 android:layout\_height="65dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="40dp"  
 android:layout\_marginBottom="649dp"  
 android:text="Palindrome Operation"  
 android:textSize="30dp"  
 android:textStyle="bold"  
 tools:layout\_editor\_absoluteX="107dp"  
 tools:layout\_editor\_absoluteY="47dp" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="127dp"  
 android:layout\_height="58dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="272dp"  
 android:layout\_marginBottom="547dp"  
 android:gravity="center"  
 android:text="String "  
 android:textSize="30dp"  
 android:textStyle="bold" />  
  
 <EditText  
 android:id="@+id/getString"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="48dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="37dp"  
 android:layout\_marginBottom="551dp"  
 android:ems="10"  
 android:inputType="text"  
 android:hint="Any string" />  
  
 <Button  
 android:id="@+id/submit"  
 android:layout\_width="198dp"  
 android:layout\_height="83dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="120dp"  
 android:layout\_marginBottom="398dp"  
 android:textSize = "20dp"  
 android:onClick="checkPalin"  
 android:text="SUBMIT" />  
  
 <TextView  
 android:id="@+id/result"  
 android:layout\_width="381dp"  
 android:layout\_height="284dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="10dp"  
 android:layout\_marginBottom="48dp"  
 android:gravity="center"  
 android:textStyle="bold"  
 android:hint="Your result will appear here!" />  
</RelativeLayout>

Palindrome.java :

package com.example.task\_solver\_intent;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.annotation.SuppressLint;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class Palindrome extends AppCompatActivity {  
 EditText string;  
 TextView show;  
 @SuppressLint("MissingInflatedId")  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_palindrome*);  
 string = findViewById(R.id.*getString*);  
 show = findViewById(R.id.*result*);  
 }  
 public void checkPalin(View v) {  
 String str = string.getText().toString();  
 int start = 0, end = str.length()-1;  
 boolean ans = true;  
 while(start <= end) {  
 if(str.charAt(start) != str.charAt(end)) {  
 ans = false;  
 break;  
 }  
 start += 1;  
 end -= 1;  
 }  
 if(ans) {  
 show.setText("Given String is a Palindrome!");  
 }  
 else {  
 show.setText("Given String is not a Palindrome!");  
 }  
 }  
  
}

acitivity\_fibonacci.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=".Fibonacci">  
  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="386dp"  
 android:layout\_height="71dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="15dp"  
 android:layout\_marginBottom="645dp"  
 android:gravity="center"  
 android:text="Fibonacci Of a Number"  
 android:textSize="30dp"  
 android:textStyle="bold" />  
  
 <TextView  
 android:id="@+id/textView7"  
 android:layout\_width="310dp"  
 android:layout\_height="68dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="75dp"  
 android:layout\_marginBottom="565dp"  
 android:gravity="center"  
 android:text="Enter a Number"  
 android:textSize="30dp"  
 android:textStyle="bold" />  
  
 <EditText  
 android:id="@+id/getNumber"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="50dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="119dp"  
 android:layout\_marginBottom="498dp"  
 android:ems="10"  
 android:hint="Any Number"  
 android:inputType="text" />  
  
 <Button  
 android:id="@+id/submit"  
 android:layout\_width="178dp"  
 android:layout\_height="67dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="136dp"  
 android:layout\_marginBottom="400dp"  
 android:onClick="findFibo"  
 android:text="SUBMIT" />  
  
 <TextView  
 android:id="@+id/result"  
 android:layout\_width="303dp"  
 android:layout\_height="356dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="69dp"  
 android:layout\_marginBottom="20dp"  
 android:gravity="center"  
 android:hint="Result will appear here!"  
 android:textSize="20dp"  
 android:textStyle="bold" />  
</RelativeLayout>

Fibonacci.java :

package com.example.task\_solver\_intent;  
import androidx.appcompat.app.AppCompatActivity;  
  
 import android.annotation.SuppressLint;  
 import android.os.Bundle;  
 import android.view.View;  
 import android.widget.EditText;  
 import android.widget.TextView;  
  
public class Fibonacci extends AppCompatActivity {  
 TextView show;  
 EditText num;  
 @SuppressLint("MissingInflatedId")  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_fibonacci*);  
 num = findViewById(R.id.*getNumber*);  
 show = findViewById((R.id.*result*));  
 }  
 public void findFibo(View v) {  
 Integer number = Integer.*parseInt*(num.getText().toString());  
 int ans = getfibonacci(number);  
 show.setText("Fibonacci of " + number + " is : " + ans);  
 }  
 private int getfibonacci(int n) {  
 if(n == 0) return 0;  
 if(n == 1) return 1;  
 return getfibonacci(n-1) + getfibonacci(n - 2);  
 }  
}

acitivity\_greatest.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=".Greatest">  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="333dp"  
 android:layout\_height="80dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="38dp"  
 android:layout\_marginBottom="638dp"  
 android:text="Greatest of two number"  
 android:textSize="30dp"  
 android:textStyle="bold"  
 tools:layout\_editor\_absoluteX="128dp"  
 tools:layout\_editor\_absoluteY="40dp" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="141dp"  
 android:layout\_height="57dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="254dp"  
 android:layout\_marginBottom="548dp"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:gravity="center"  
 android:text="Enter A:" />  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="141dp"  
 android:layout\_height="57dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="252dp"  
 android:layout\_marginBottom="455dp"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:gravity="center"  
 android:text="Enter B:" />  
  
 <EditText  
 android:id="@+id/getNum1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="48dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="27dp"  
 android:layout\_marginBottom="553dp"  
 android:ems="10"  
 android:inputType="text"  
 android:hint="Enter Number" />  
  
 <EditText  
 android:id="@+id/getNum2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="48dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="19dp"  
 android:layout\_marginBottom="463dp"  
 android:ems="10"  
 android:inputType="text"  
 android:hint="Enter Number" />  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="124dp"  
 android:layout\_height="67dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="160dp"  
 android:onClick="checkgreatest"  
 android:layout\_marginBottom="346dp"  
 android:text="SUBMIT" />  
  
 <TextView  
 android:id="@+id/result"  
 android:layout\_width="296dp"  
 android:layout\_height="262dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="57dp"  
 android:layout\_marginBottom="47dp"  
 android:gravity="center"  
 android:hint="Result will appear here"  
 android:textSize="20dp"  
 android:textStyle="bold" />  
</RelativeLayout>

Greatest.java :

package com.example.task\_solver\_intent;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class Greatest extends AppCompatActivity {  
 EditText num1, num2;  
 TextView show;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_greatest*);  
 num1 = findViewById(R.id.*getNum1*);  
 num2 = findViewById(R.id.*getNum2*);  
 show = findViewById(R.id.*result*);  
 }  
  
 public void checkgreatest(View v) {  
 Integer a = Integer.*parseInt*(num1.getText().toString());  
 Integer b = Integer.*parseInt*(num2.getText().toString());  
 if(a > b) {  
 show.setText(a + " is greater than " + b);  
 }  
 else if(b > a) {  
 show.setText(b + " is greater than " + a);  
 }  
 else {  
 show.setText(a + " is equal to " + b);  
 }  
 }  
}