***slip9***

Slip-9 Question 1

**Write an android application to accept two numbers from the user and display them and reject input if both numbers are greater than 10 and ask for two new numbers.**

**Xml file**

<?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"  
android:padding="16dp"  
android:orientation="vertical"  
tools:context=".MainActivity">  
  
<EditText  
android:id="@+id/first\_number\_edittext"  
android:layout\_width="match\_parent"  
android:layout\_height="wrap\_content"  
android:hint="Enter first number"  
android:inputType="number" />  
  
<EditText  
android:id="@+id/second\_number\_edittext"  
android:layout\_width="match\_parent"  
android:layout\_height="wrap\_content"  
android:hint="Enter second number"  
android:inputType="number" />  
  
<Button  
android:id="@+id/submit\_button"  
android:layout\_width="match\_parent"  
android:layout\_height="wrap\_content"  
android:text="Submit" />  
  
<TextView  
android:id="@+id/result\_textview"  
android:layout\_width="match\_parent"  
android:layout\_height="wrap\_content"  
android:paddingTop="16dp" />  
  
</LinearLayout>

**Java file**

package com.example.slip91;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
private EditText firstNumberEditText;  
 private EditText secondNumberEditText;  
 private Button submitButton;  
 private TextView resultTextView;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
  
firstNumberEditText = findViewById(R.id.*first\_number\_edittext*);  
secondNumberEditText = findViewById(R.id.*second\_number\_edittext*);  
submitButton = findViewById(R.id.*submit\_button*);  
resultTextView = findViewById(R.id.*result\_textview*);  
  
submitButton.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
  
 String firstNumberString = firstNumberEditText.getText().toString();  
String secondNumberString = secondNumberEditText.getText().toString();  
  
 if (firstNumberString.isEmpty() || secondNumberString.isEmpty()) {  
 Toast.*makeText*(MainActivity.this, "Please enter two numbers", Toast.*LENGTH\_SHORT*).show();  
 return;  
}  
  
int firstNumber = Integer.*parseInt*(firstNumberString);  
 int secondNumber = Integer.*parseInt*(secondNumberString);  
  
 if (firstNumber >10 && secondNumber >10) {  
 Toast.*makeText*(MainActivity.this, "Both numbers cannot be greater than 10", Toast.*LENGTH\_SHORT*).show();  
firstNumberEditText.getText().clear();  
secondNumberEditText.getText().clear();  
 return;  
}  
  
 String resultString = "First number: " + firstNumber + "\n" + "Second number: " + secondNumber;  
resultTextView.setText(resultString);  
}  
 });  
}  
}