

```
1 package me.jamiepeterson.110queens;
2
3 import android.support.v7.app.AppCompatActivity;
4 import android.os.Bundle;
5 import android.view.View;
6 import android.widget.Button;
7 import android.widget.EditText;
8 import android.widget.TextView;
9
10 public class MainActivity extends AppCompatActivity {
11
12     @Override
13     protected void onCreate(Bundle savedInstanceState) {
14         super.onCreate(savedInstanceState);
15         setContentView(R.layout.activity_main);
16         //Button
17         Button button = (Button)findViewById(R.id.submit);
18         ButtonHandler temp = new ButtonHandler();
19         button.setOnClickListener(temp);
20     }
21
22     //Button Handler
23     private class ButtonHandler implements View.OnClickListener {
24         public void onClick(View v) {
25             //Get Edit Text
26             EditText mText = (EditText) findViewById(R.id.m);
27             EditText nText = (EditText) findViewById(R.id.n);
28             //Get String
29             String mString = mText.getText().toString();
30             String nString = nText.getText().toString();
31             //Get Int
32             int m;
33             int n;
34             try {
35                 m = Integer.parseInt(mString);
36             }
37             catch (NumberFormatException e){
38                 m = 2;
39             }
40             try {
41                 n = Integer.parseInt(nString);
42             }
43             catch (NumberFormatException e){
44                 n = 2;
45             }
46             //Get output and final error check
47             String output;
48             if(n >= m){
49                 Queens q = new Queens(m,n);
50                 output = q.solve();
51             }
52             else
53                 output = "Make sure input is valid";
54 }
```

```
55         //Display output
56         TextView outputBox = (TextView) findViewById(R.id.output);
57         outputBox.setText(output);
58     }
59 }
60 }
61
```