

```
1 package me.jamiepeterson.al6primenumbers;
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
17         //Button
18         Button button = (Button)findViewById(R.id.submit);
19         ButtonHandler temp = new ButtonHandler();
20         button.setOnClickListener(temp);
21     }
22
23     //Button Handler
24     private class ButtonHandler implements View.OnClickListener {
25         public void onClick(View v) {
26             //Get Edit Text
27             EditText primeCountText = (EditText) findViewById(R.id.primeCount);
28             //Get String
29             String primeCountString = primeCountText.getText().toString();
30             //Get Int
31             int primeCount;
32             try {
33                 primeCount = Integer.parseInt(primeCountString);
34             }
35             catch (NumberFormatException e){
36                 primeCount = 0;
37             }
38
39             //New Object
40             Primes p = new Primes(primeCount);
41             //Get output
42             TextView output = (TextView)findViewById(R.id.output);
43             int[] primes = p.getPrimes();
44             String stringPrimes = "";
45             for (int i = 0; i < primes.length; i++)
46                 stringPrimes = stringPrimes + primes[i] + "\n";
47             output.setText(stringPrimes);
48         }
49     }
50 }
51
```