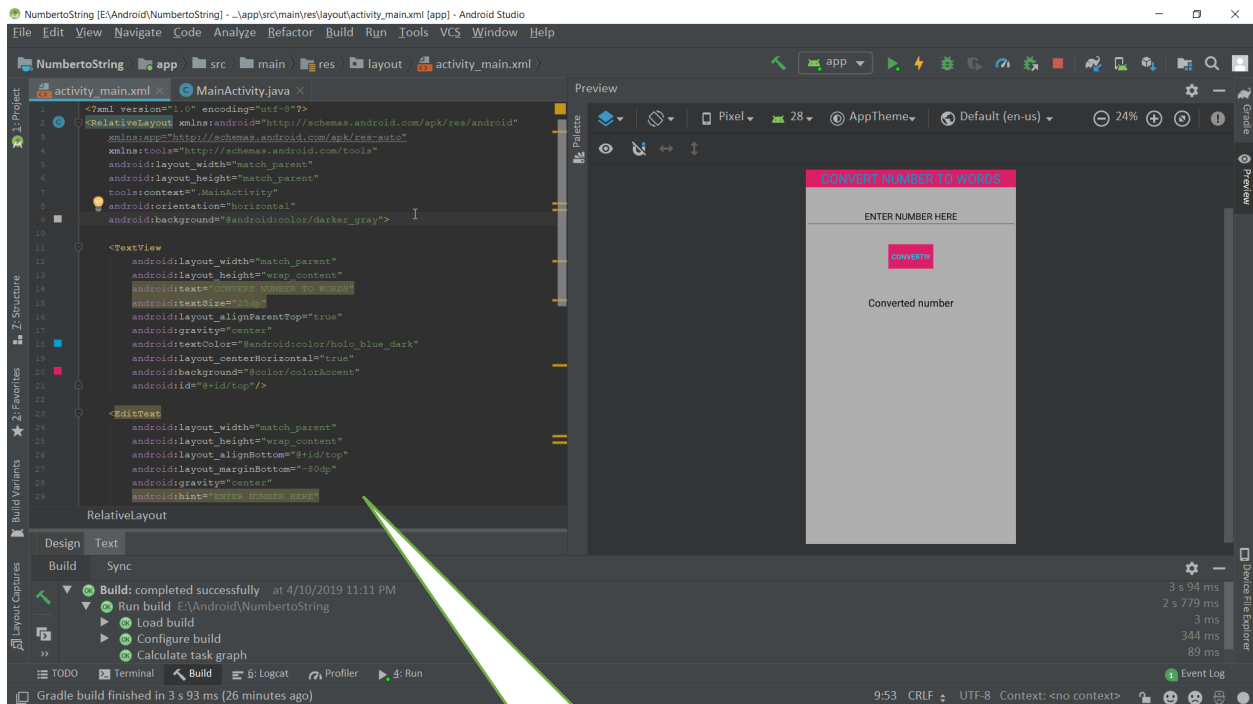


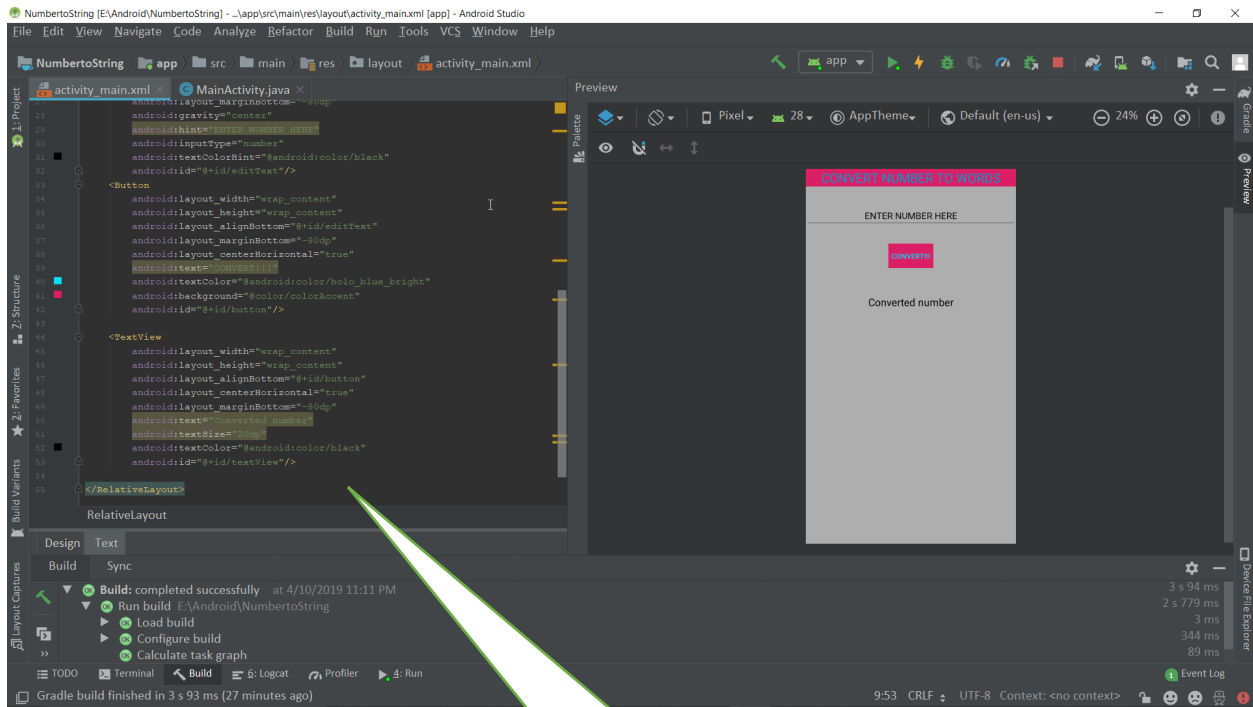
2. Create an app to convert the numbers in figure (up to 3 **digits**) to words.

e.g 1 = One
 100 = One Hundred
 901 = Nine Hundred and One

Code snippets for .xml

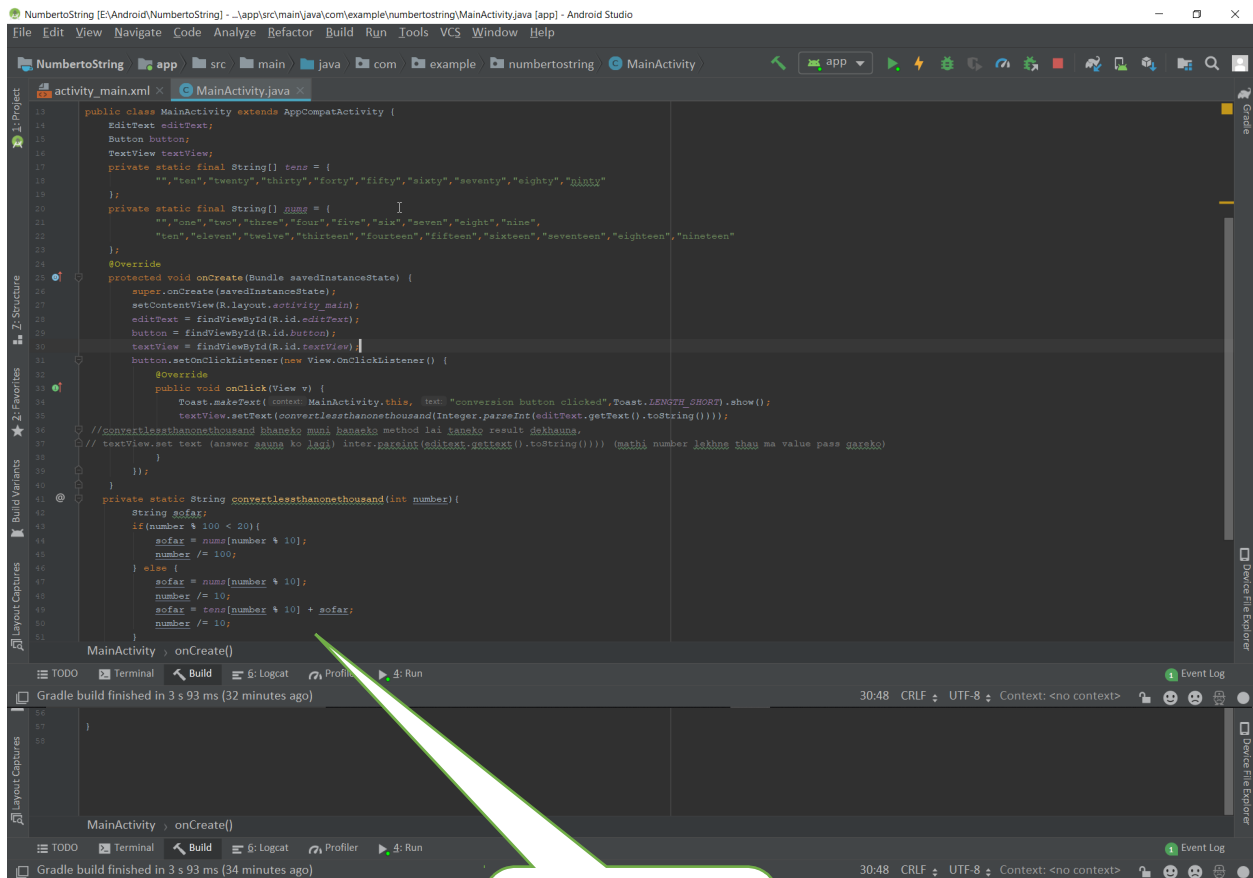


Code for designing the app
layout on android studio



Code for designing the app layout on android studio

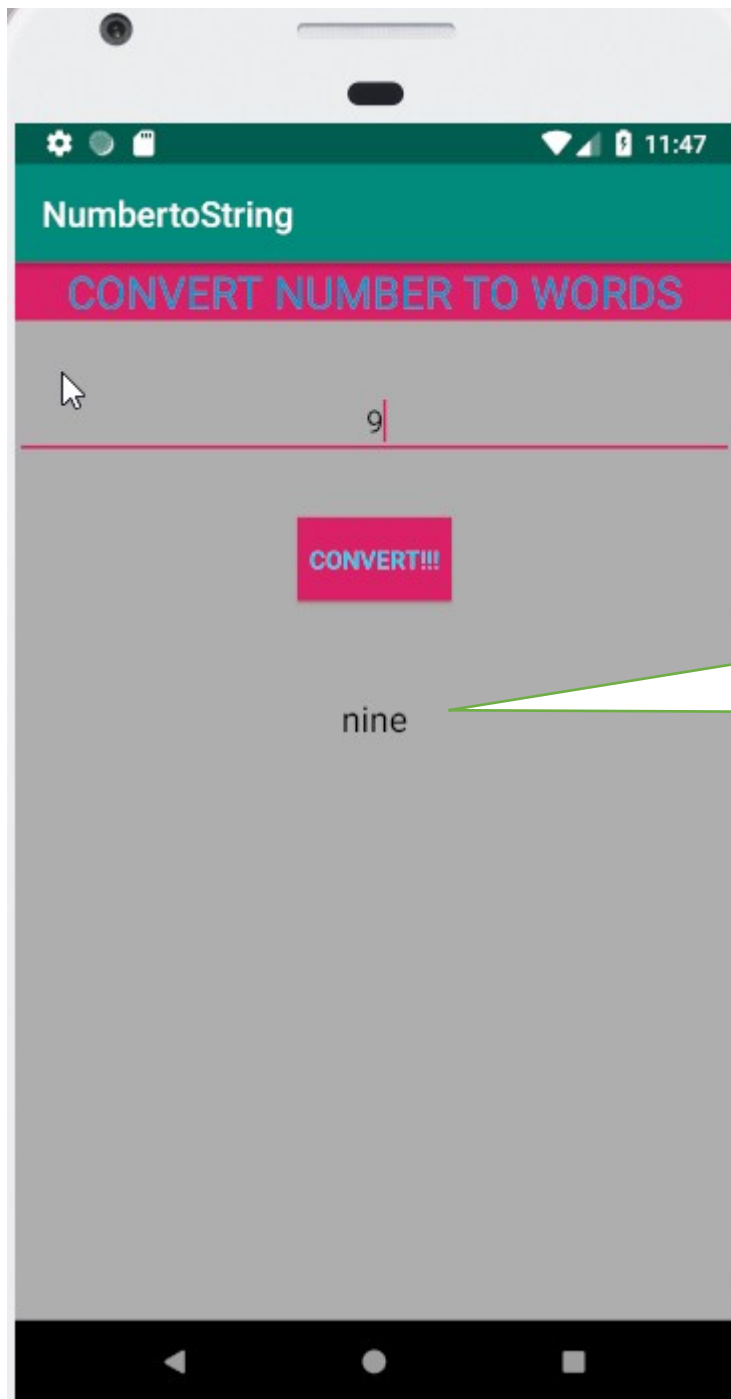
Code snippets for .java class



```
13 public class MainActivity extends AppCompatActivity {
14     EditText editText;
15     Button button;
16     TextView textView;
17     private static final String[] tens = {
18         "", "ten", "twenty", "thirty", "forty", "fifty", "sixty", "seventy", "eighty", "ninety"
19     };
20     private static final String[] nums = {
21         "", "one", "two", "three", "four", "five", "six", "seven", "eight", "nine",
22         "ten", "eleven", "twelve", "thirteen", "fourteen", "fifteen", "sixteen", "seventeen", "eighteen", "nineteen"
23     };
24     @Override
25     protected void onCreate(Bundle savedInstanceState) {
26         super.onCreate(savedInstanceState);
27         setContentView(R.layout.activity_main);
28         editText = findViewById(R.id.editText);
29         button = findViewById(R.id.button);
30         textView = findViewById(R.id.textView);
31         button.setOnClickListener(new View.OnClickListener() {
32             @Override
33             public void onClick(View v) {
34                 Toast.makeText(MainActivity.this, "conversion button clicked", Toast.LENGTH_SHORT).show();
35                 textView.setText(convertLessThanOneThousand(Integer.parseInt(editText.getText().toString())));
36                 //convertLessThanOneThousand bhaneko numi banasako method lai tanako result dasahune.
37                 // textView.setText (answer garna ko jaha) Integer.parseInt(editText.getText().toString()) (mathi number lekhone thaa ma value pass garako)
38             }
39         });
40     }
41     private static String convertLessThanOneThousand(int number) {
42         String sofar;
43         if (number % 100 < 20) {
44             sofar = nums[number % 10];
45             number /= 100;
46         } else {
47             sofar = nums[number % 10];
48             number /= 10;
49             sofar = tens[number % 10] + sofar;
50             number /= 10;
51         }
52     }
53     MainActivity , onCreate()
54 }
55 MainActivity , onCreate()
```

Java codes for
creating the
application

Code snippet of the output of the application



Output of the application