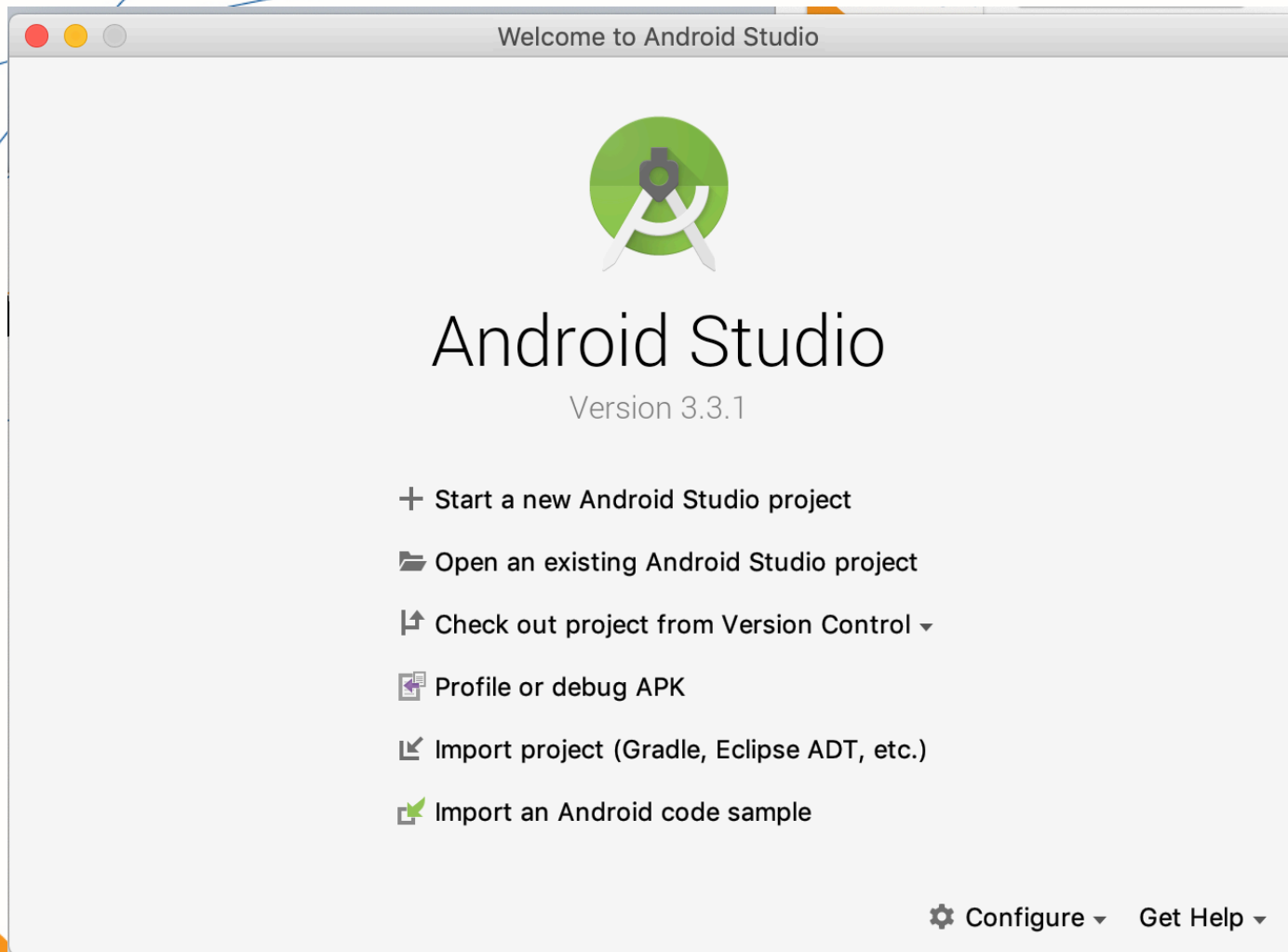
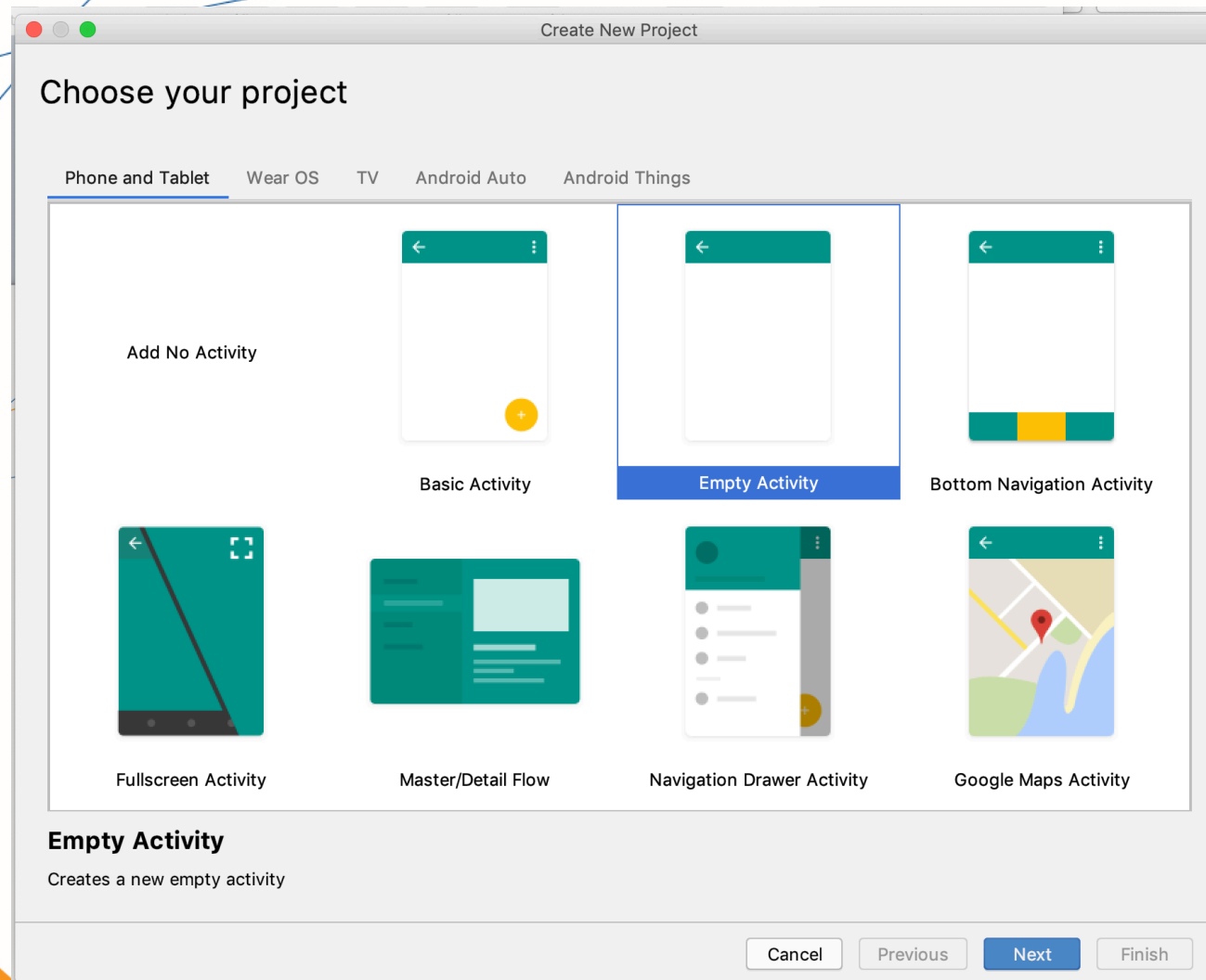


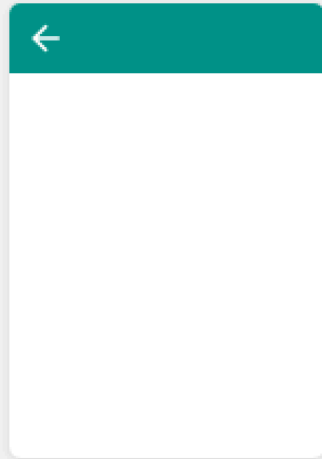
# Exercícios



# Exercícios



# Configure your project



Empty Activity

Creates a new empty activity

Name

Fatorial

Package name

rj.senac.br.fatorial

Save location


/Users/anderson/Desktop/Fatorial

Language

Java

Minimum API level

API 23: Android 6.0 (Marshmallow)

 Your app will run on approximately **62.6%** of devices.

[Help me choose](#)

- ☐ This project will support instant apps
- ☐ Use AndroidX artifacts

Cancel

Previous

Next

Finish

# Exercícios

The diagram illustrates a design process for a factorial calculator. It is divided into two vertical panels. The left panel, with a light gray background, shows a wireframe: the word 'Fatorial' is at the top, followed by a horizontal line for input, and a gray button labeled 'CALCULA' below it. The right panel, with a dark blue background, shows a more refined mockup: 'Fatorial' is in a small box, followed by a larger blue input field, and a blue button labeled 'CALCULA' below it. Thin blue lines connect the elements between the two panels, indicating the design evolution.

# Exercícios

The screenshot displays the Android Studio IDE. In the foreground, a 'New String Value Resource' dialog box is open. The 'Resource name' field contains 'titulo', the 'Resource value' field contains 'Fatorial', the 'Source set' is set to 'main', and the 'File name' is 'strings.xml'. The 'Create the resource in directories:' section has a checked box for 'values'. The background shows the 'Resources' tab with a list of resources. The 'Attributes' panel on the right shows the 'textView' attribute with 'layout\_width' and 'layout\_height' set to 'ip\_content'. The 'TextView' section shows the 'text' attribute set to 'Hello World!'.

Project	
app_name	Fatorial
android	
VideoView_error_button	OK
VideoView_error_text_invalid_progressive_playback	এই ভিডিও টোক এই ডিভাইসে চাট হ্রীমিং করিবর বাবে মান্য নহয়।
VideoView_error_text_unknown	
VideoView_error_title	
autofill	
cancel	
copy	
copyUrl	
cut	
defaultMsisdnAlphaTag	
defaultVoiceMailAlphaTag	
dialog_alert_title	

**New String Value Resource**

Resource name: titulo

Resource value: Fatorial

Source set: main

File name: strings.xml

Create the resource in directories:

☒ values

Cancel OK

**Resources**

Attributes

ID: textView

layout\_width: ip\_content

layout\_height: ip\_content

**TextView**

text: Hello World!

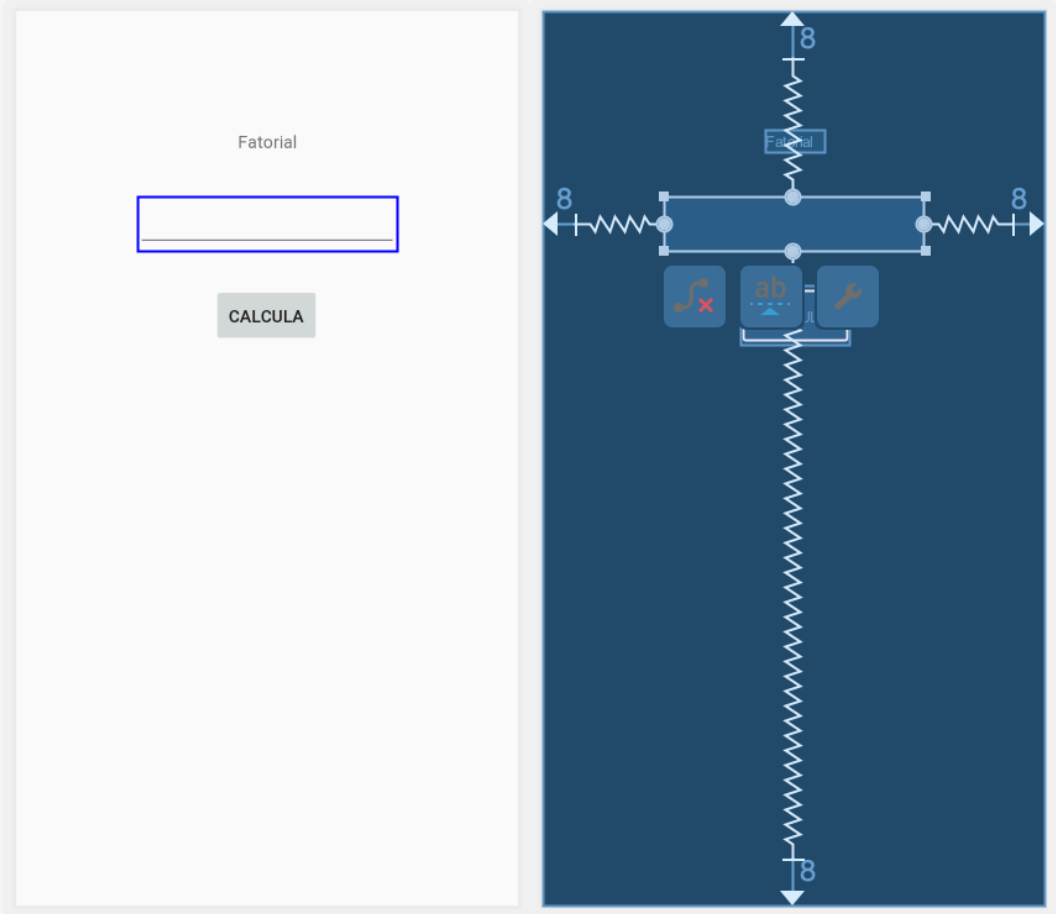
text:

contentDescription:

textAppearance: Material

fontFamily: sans-serif

# Exercícios



Attributes

ID

numero

layout\_width

1dp\_content

...

layout\_height

1dp\_content

...

▼ EditText

inputType

number

...

hint

...

style

at.EditText

...

singleLine

[-]

selectAllOnFocus

[-]

▼ TextView

# Exercícios

```
package rj.senac.br.fatorial;
```

```
public class Fatorial {  
    private int n;
```

```
    public int getN() {  
        return n;  
    }
```

```
    public void setN(int n) {  
        this.n = n;  
    }
```

```
    public Fatorial(int n) {  
        this.n = n;  
    }
```

```
    private int recursivo(int n){  
        if(n==0 | n==1) return 1;  
        return n*recursivo(n-1);  
    }
```

```
    public int calculo(){  
        return recursivo(n);  
    }  
}
```



# Exercícios

```
package rj.senac.br.fatorial;
```

```
import android.os.Bundle;
```

```
import android.support.v7.app.AppCompatActivity;
```

```
import android.view.View;
```

```
import android.widget.EditText;
```

```
import android.widget.Toast;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```
    }
```

```
    public void onClick(View v){
```

```
        EditText numero = (EditText)findViewById(R.id.numero);
```

```
        int n = Integer.parseInt(numero.getText().toString());
```

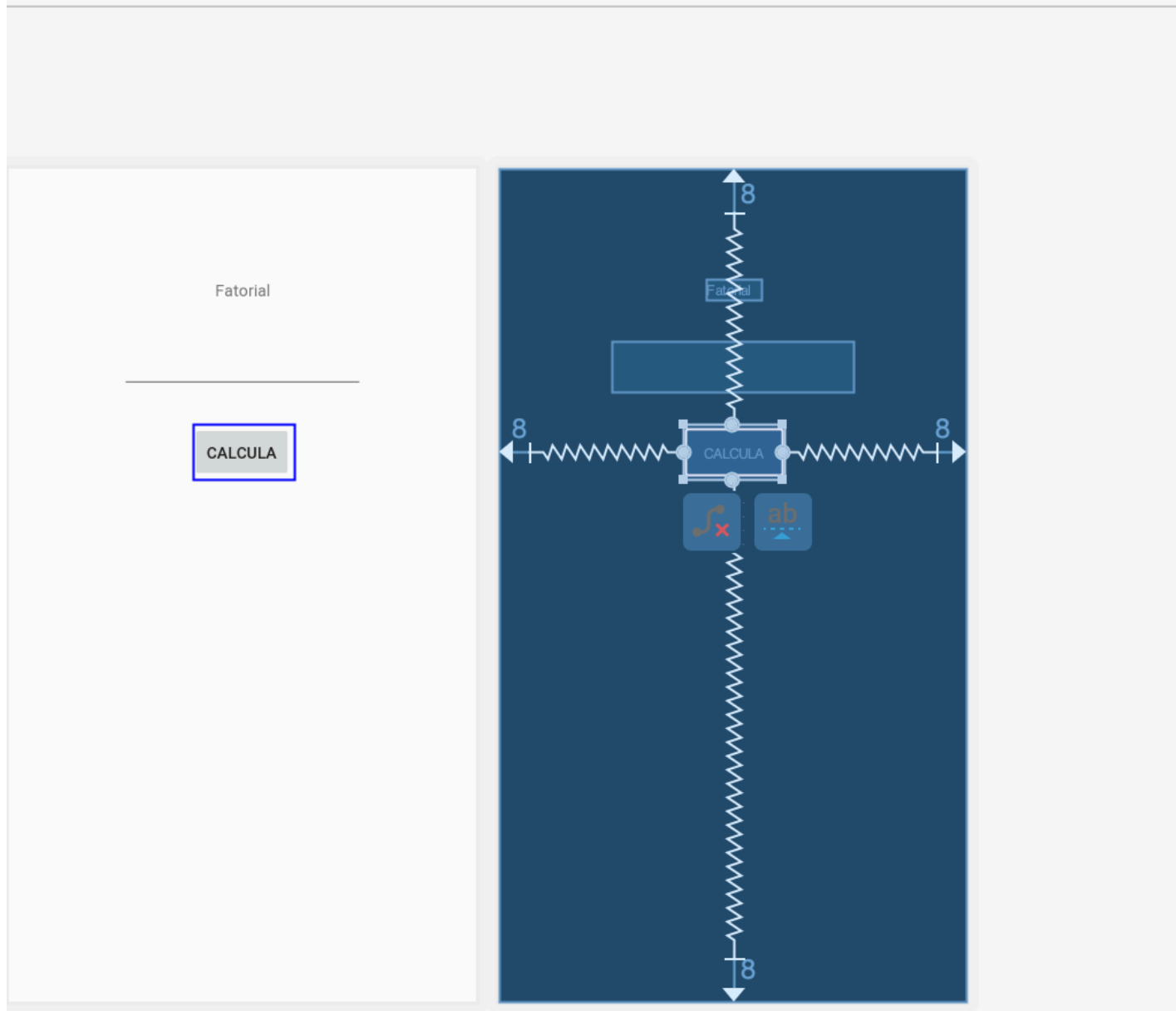
```
        int fatorial = (new Fatorial(n)).calcula();
```

```
        Toast.makeText(this, String.valueOf(fatorial), Toast.LENGTH_LONG).show();
```

```
    }
```

```
}
```





button

layout\_widthwrap\_content

layout\_heightwrap\_content

8

8

8

8

32

49

▼ Button

stylebuttonStyle

stateListAnimat

onClick

elevationnoneonClick [MainActivity]

background

backgroundTint