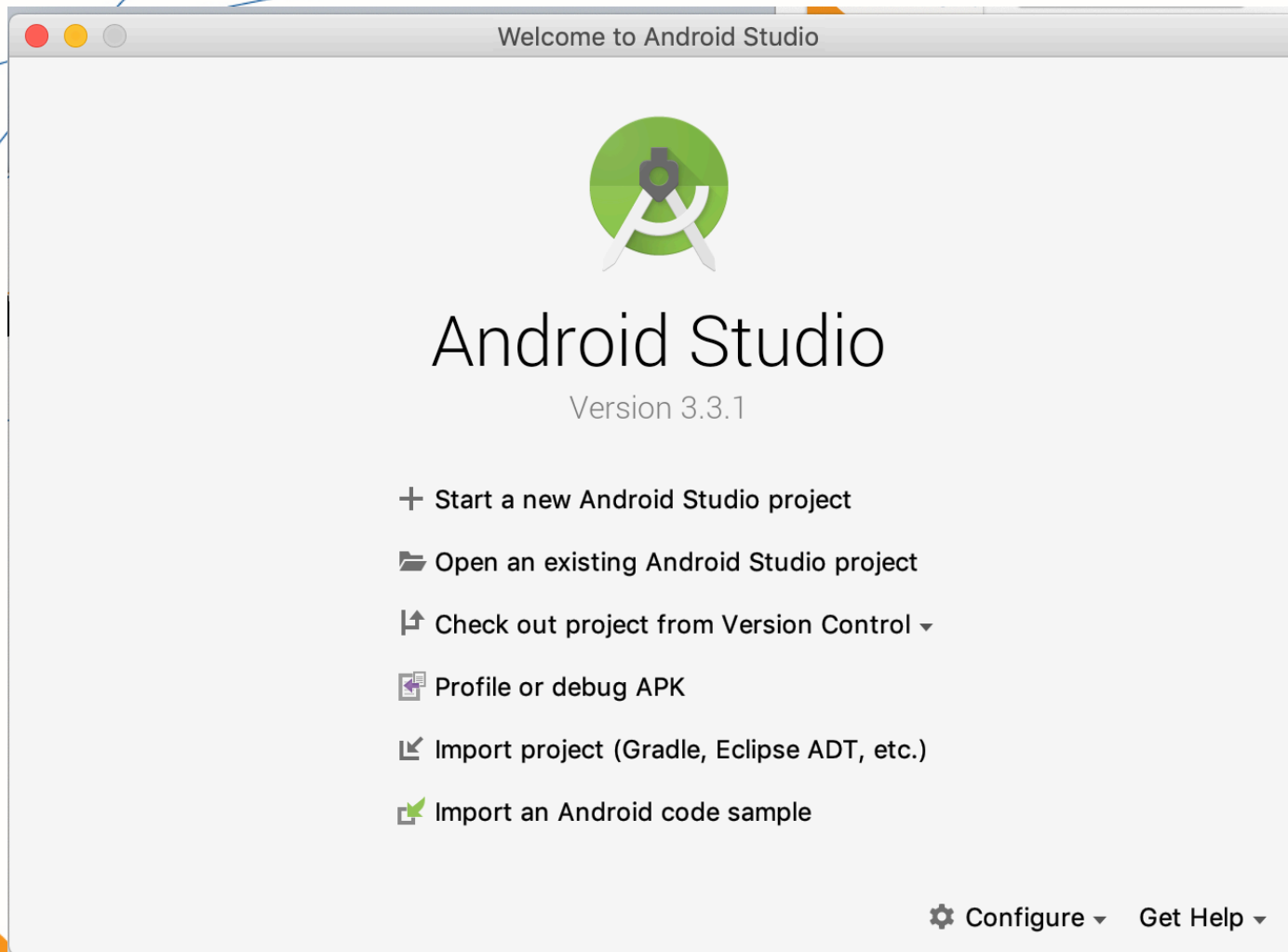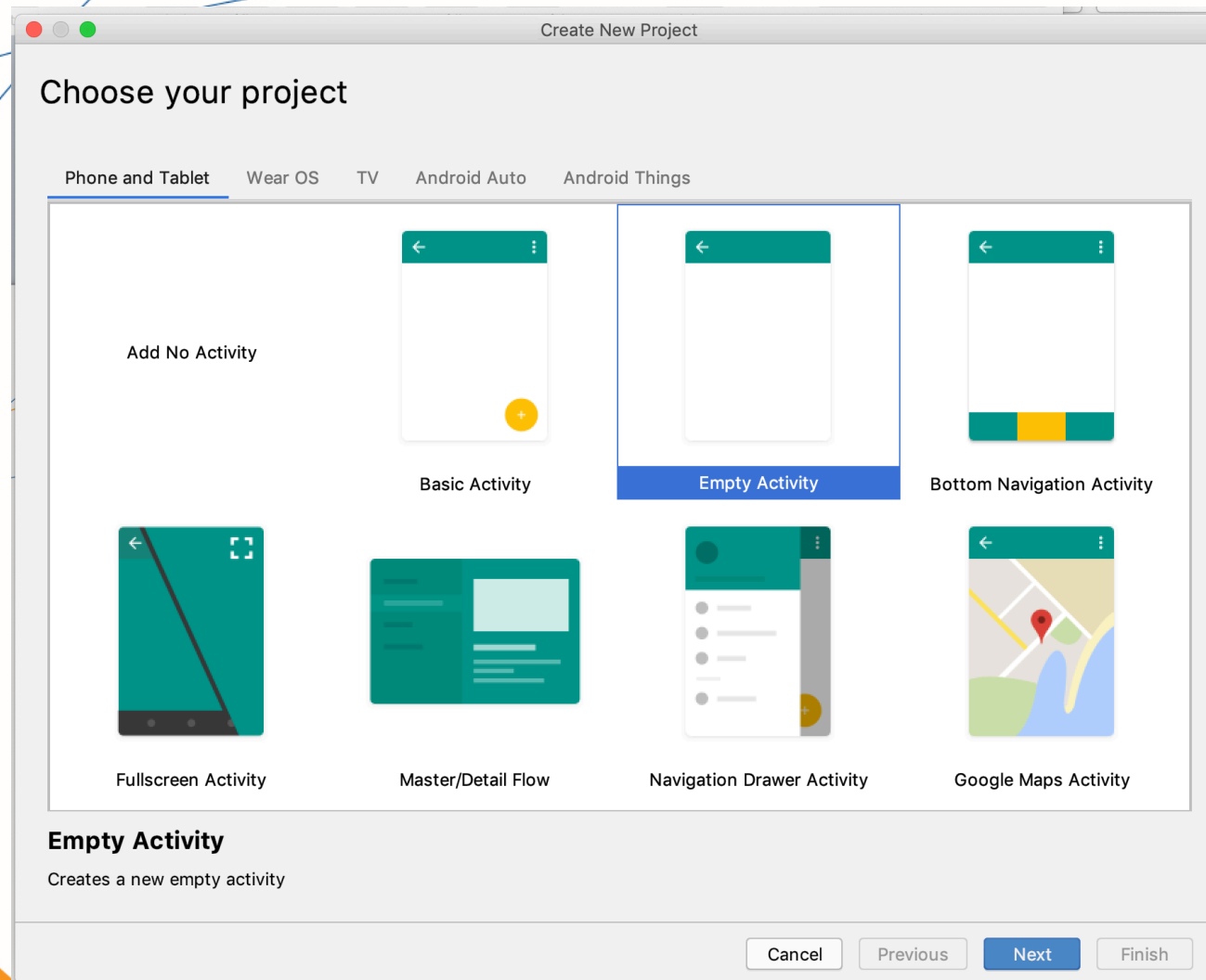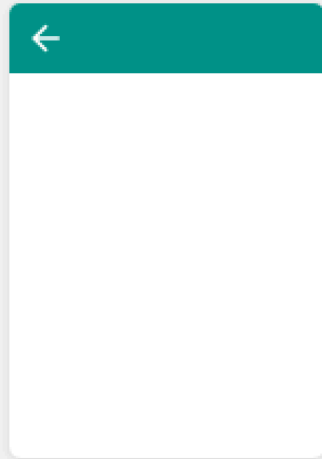# Exercícios

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Exercícios

Create New Project

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

Exercícios

174

Pixel ▾	🔖 28 ▾	◎ AppTheme ▾

» ⊖ 37% ⊕ ⊘ ⚠

Attributes 🔍 ⇄ ⚙ ▬

👁 ▾ · 8dp · ✗ ⚡ · ▾ · ▾ · ▾

ID	numero
layout_width	ap_content ▾ ⋯
layout_height	ap_content ▾ ⋯

Fatorial

CALCULA

8

Fatorial

8   8

21

8   8

50

▼ EditText

inputType	number	⋯
hint		⋯
style	at.EditText ▾	⋯
singleLine	▬	
selectAllOnFocu	▬	

▼ TextView

Exercícios

```java
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

```java
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)).calculo();
        Toast.makeText(this, String.valueOf(fatorial), Toast.LENGTH_LONG).show();
    }
}
```
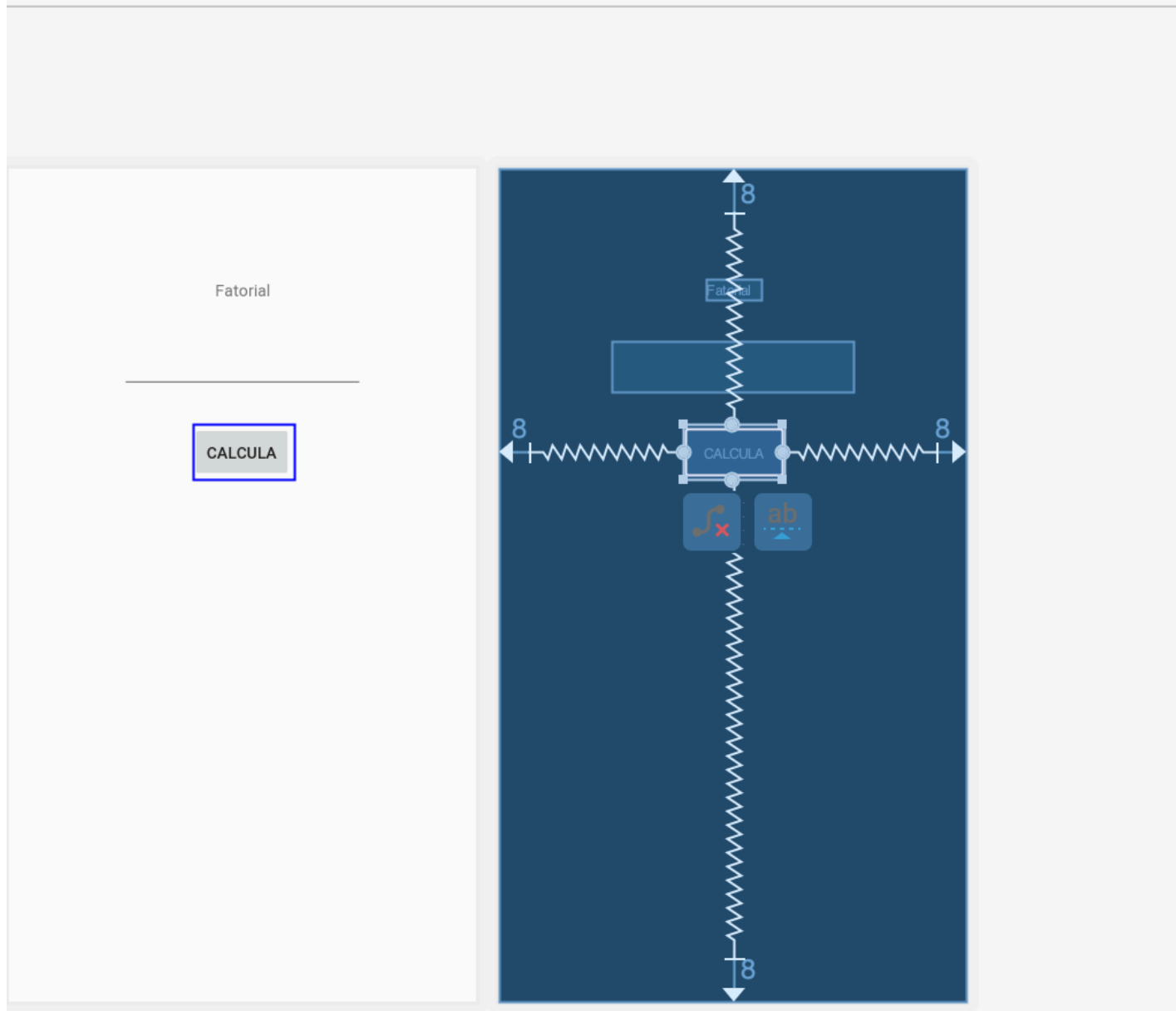
Attributes   🔍 ⇄ | ⚙ —

ID   button

layout_width   ap_content ▾ ···

layout_height ap_content ▾ ···

Fatorial

CALCULA

8

32

8   »   «   8

8

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▼ **Button**

style   uttonStyle ▾ ···

stateListAnimat   ···

onClick   ▾

elevation   **none**

                onClick [MainActivity]

background   ···