

# Calculadora de Horas

```
package com.example.meuprimeiroapp;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

public class Comum extends AppCompatActivity {
    EditText horasi, horasf, mini, minf;
    TextView result;

    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_comum);
        getSupportActionBar().hide();
        horasi = findViewById(R.id.horasi);
        horasf = findViewById(R.id.horasf);
        mini = findViewById(R.id.mini);
        minf = findViewById(R.id.minf);
        result = findViewById(R.id.result);
        result.setVisibility(View.INVISIBLE);
    }

    public void somar(View v) {
        int hi = Integer.parseInt(horasi.getText().toString());
        int hf = Integer.parseInt(horasf.getText().toString());
        int mi = Integer.parseInt(mini.getText().toString());
        int mf = Integer.parseInt(minf.getText().toString());
        int rh = hi + hf;
        int rm = mi + mf;
        while (rm > 59) {
            rm = rm - 60;
            rh ++;
        }
        result.setText(rh + ":" + rm);
        result.setVisibility(View.VISIBLE);
    }
}
```

```
public void subtrair(View v) {
    int hi = Integer.parseInt(horasi.getText().toString());
    int hf = Integer.parseInt(horasf.getText().toString());
    int mi = Integer.parseInt(mini.getText().toString());
    int mf = Integer.parseInt(minf.getText().toString());
    while (hi > 0) {
        hi --;
        mi += 60;
    }
    while (hf > 0) {
        hf --;
        mf += 60;
    }
    int rh = 0;
    int rm = 0;
    if(mi < mf) {
        rm = mf - mi;
    }
    else {
        rm = mi - mf;
    }
    while (rm > 59) {
        rm = rm - 60;
        rh++;
    }
    result.setText(rh + ":" + rm);
    result.setVisibility(View.VISIBLE);
}
}
```