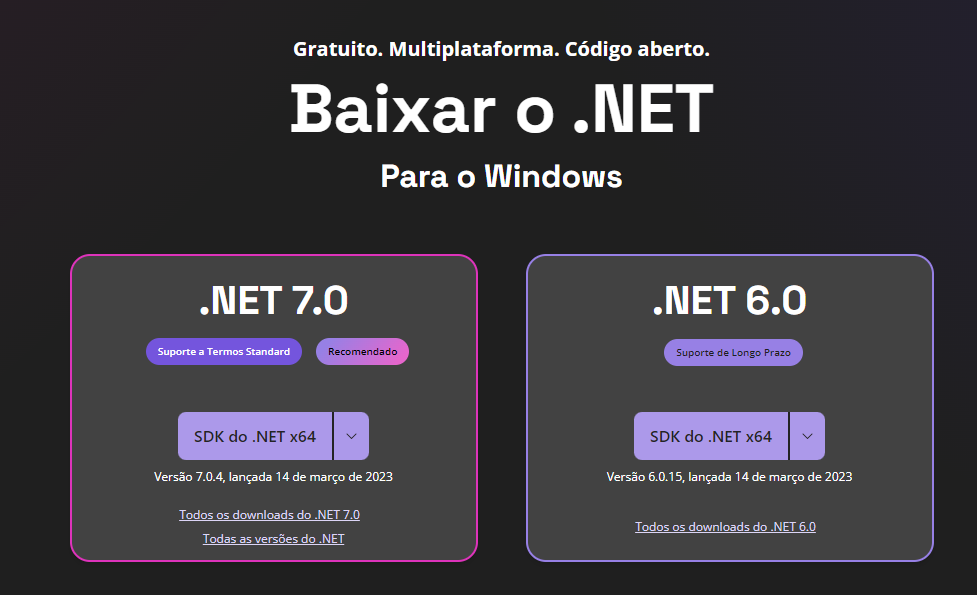
# C #

## 01 - Preparando Ambiente

### Intalabbdo o Ambiente

<https://dotnet.microsoft.com/pt-br/download>



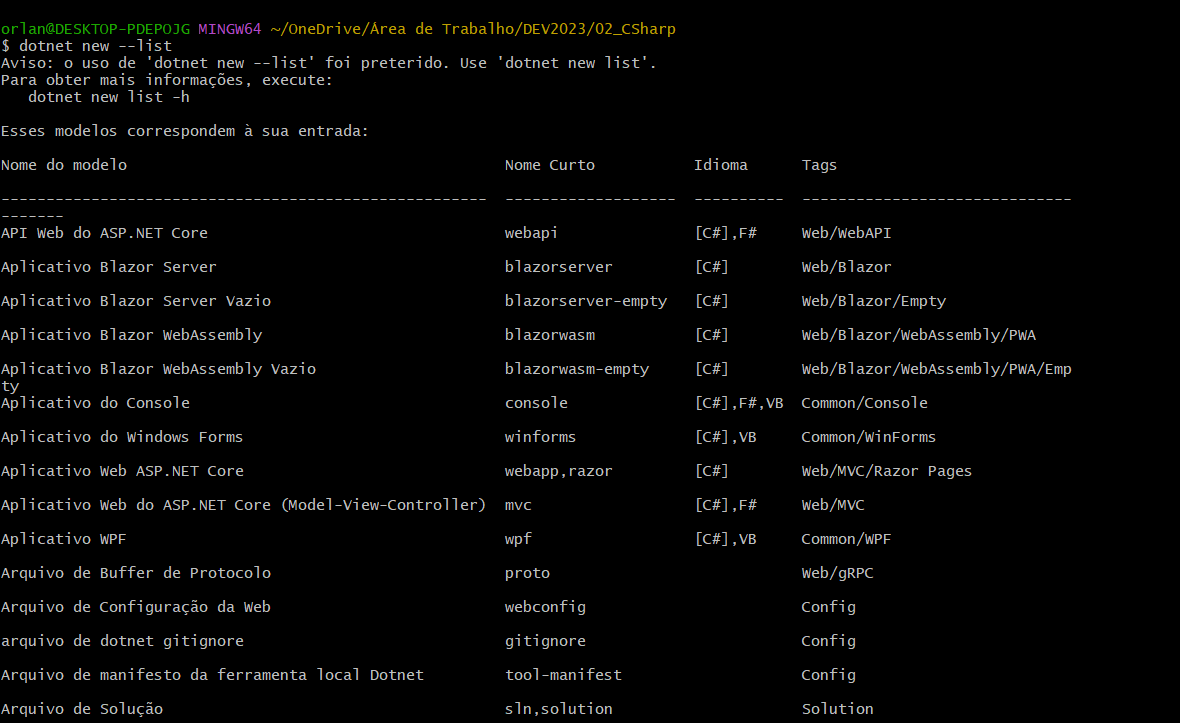
### IDE de Desenvolvimento



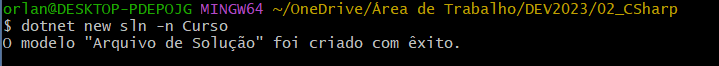
## 02 - Hands-On´Code

### Criando Solução

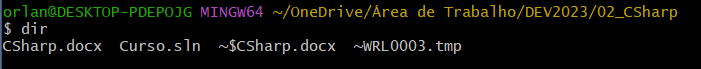
Dotnet new list -h



dotnet new sln –n Curso

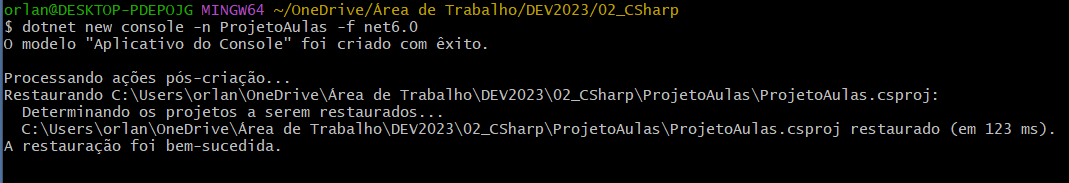


dir

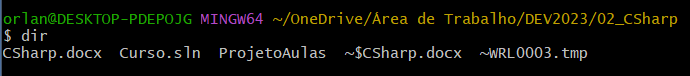


### Criando um projeto

dotnet new console –n ProjetoAulas –f net6.06



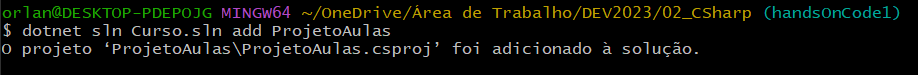
dir



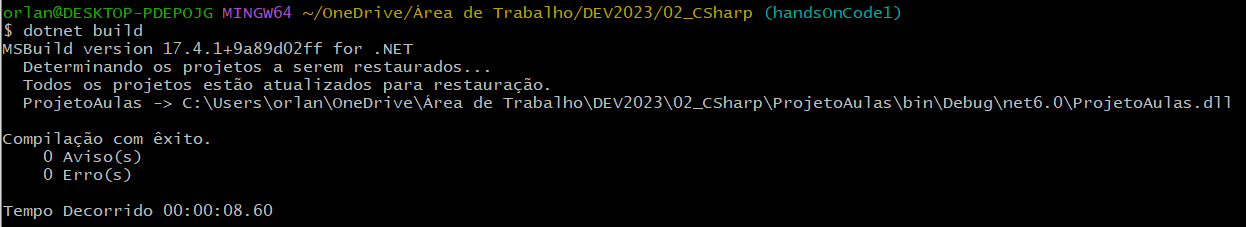
### 

### Executando nosso primeiro programa

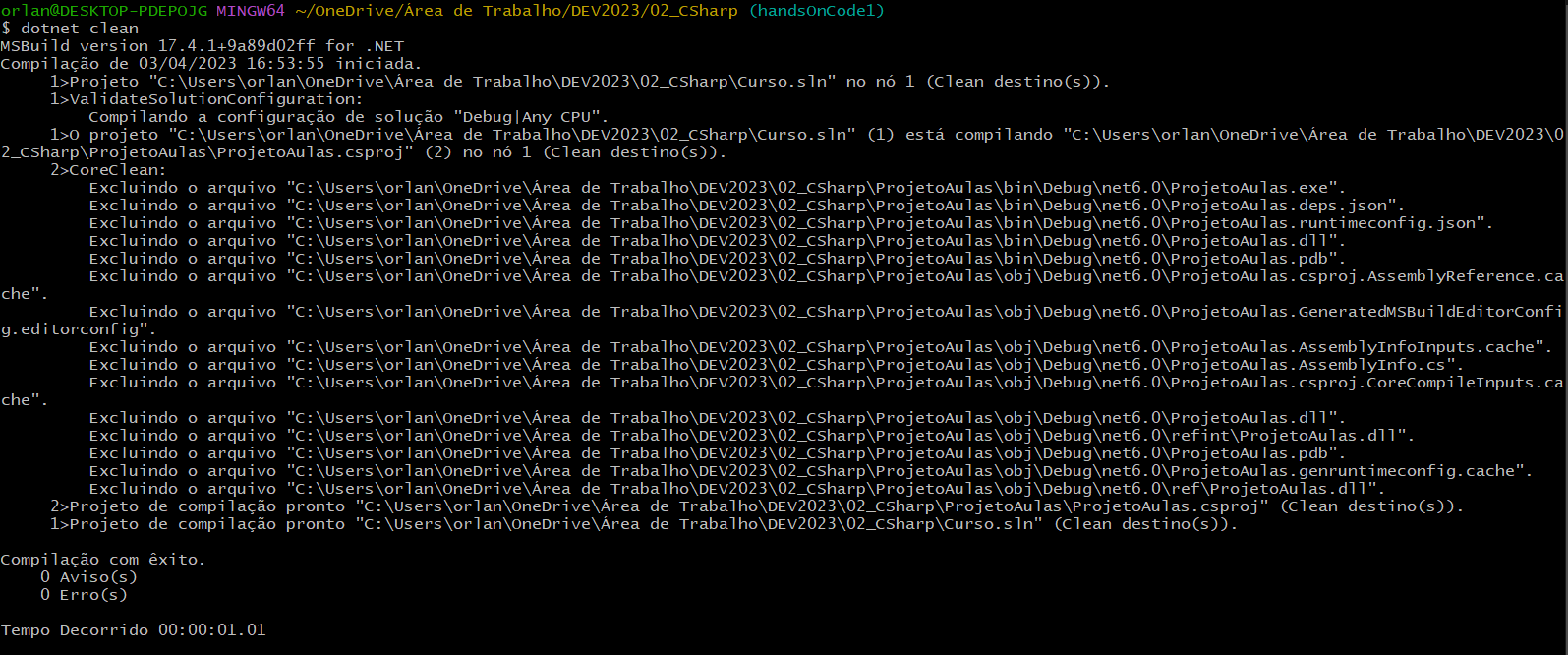
Add projeto dentro da solução



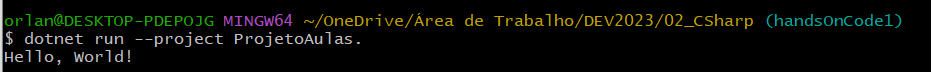
Compilar projeto

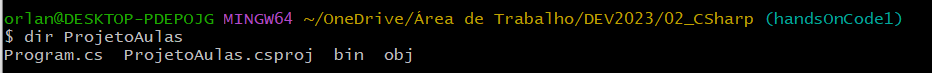


Limpando todos os arquivos em tempo de compilação



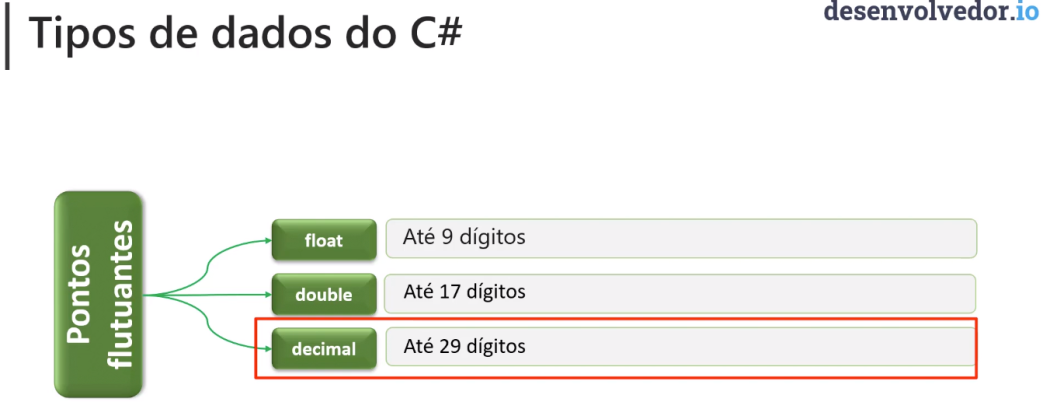
Executar o projeto

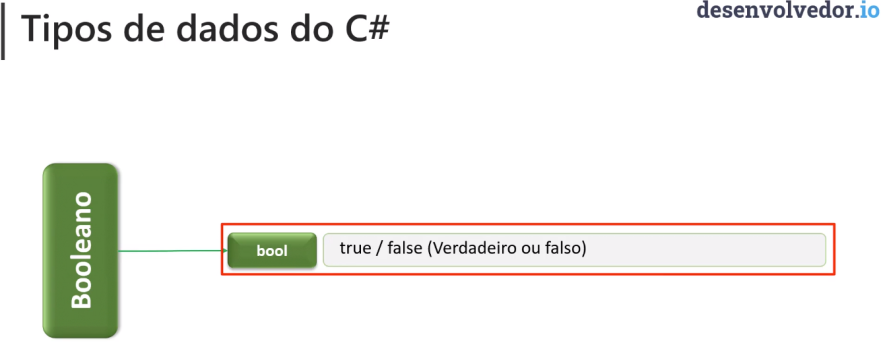


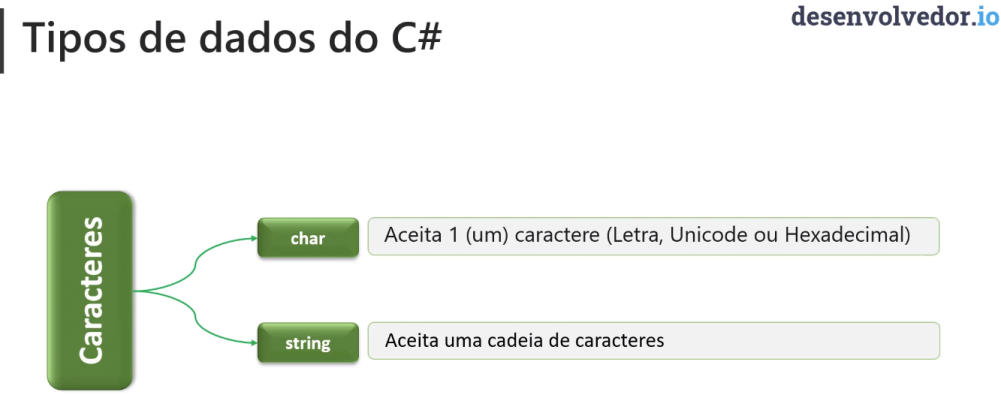


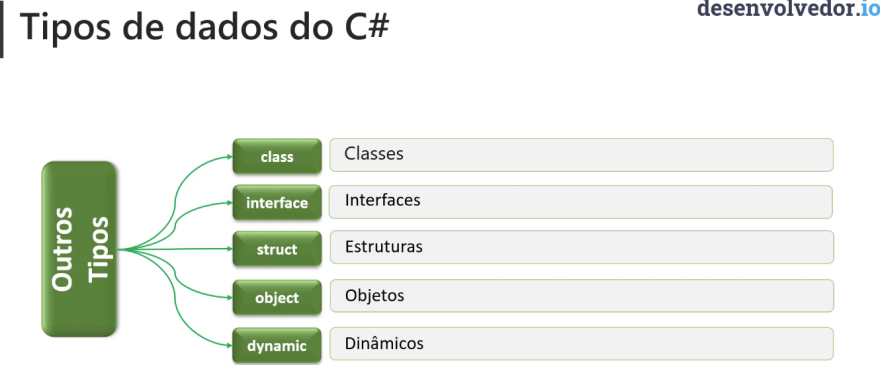
### Tipo de Dados do C#









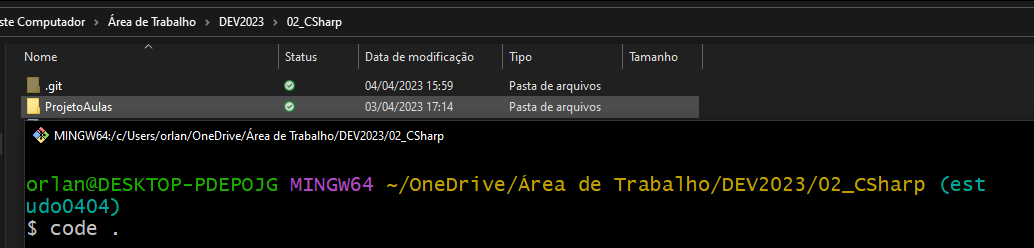


### O que é uma Variavel?

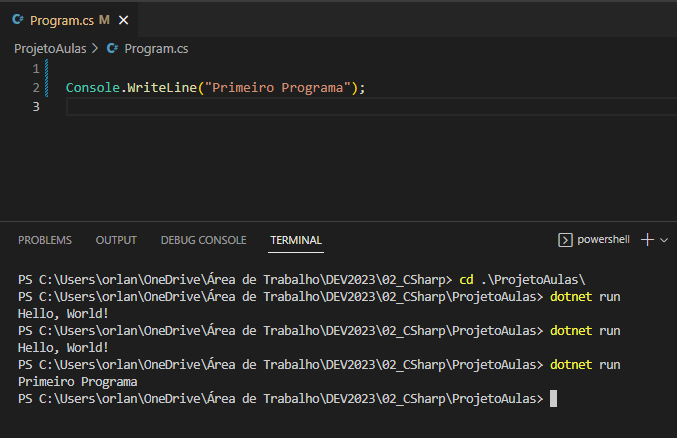


### Trabalhando com variaveis

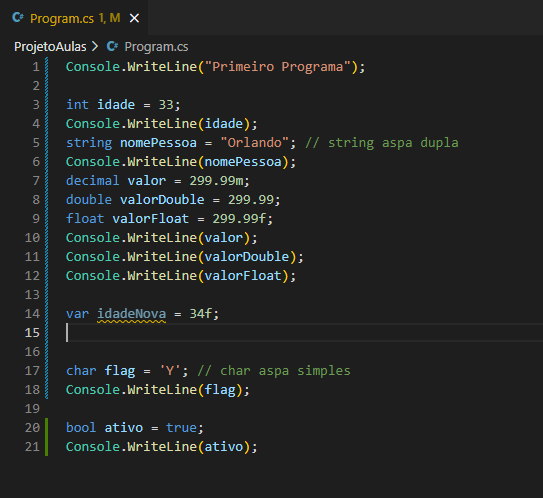
Abrindo code



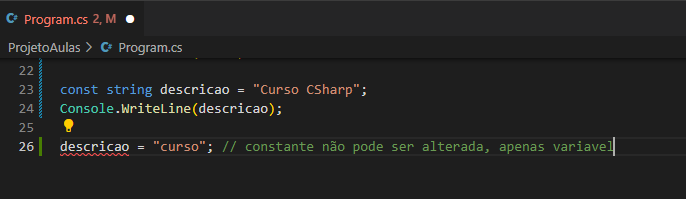
Executando programa vs code



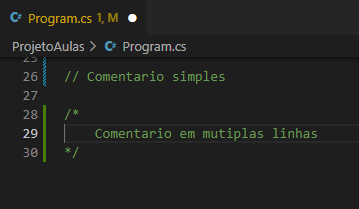
Criando Variaveis



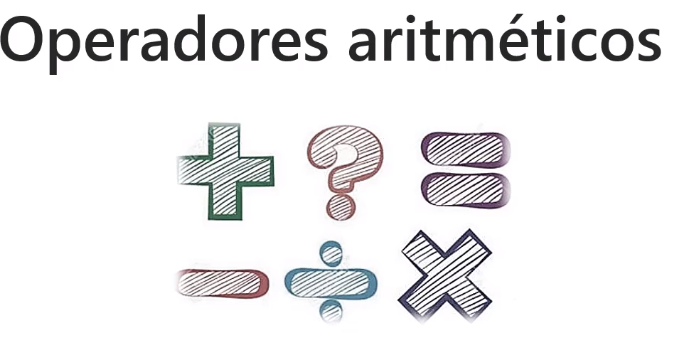
Constantes

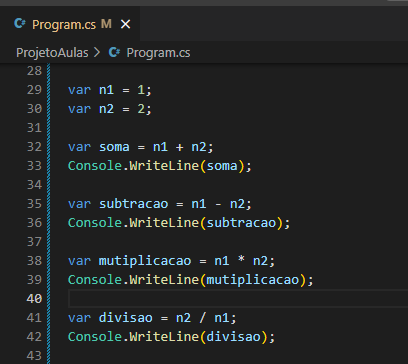


Comentarios



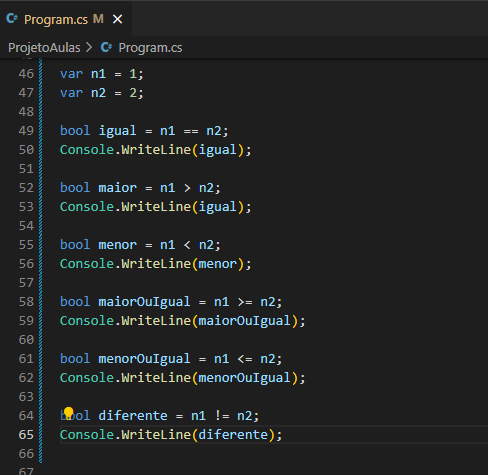
Operadores Arentimeticos



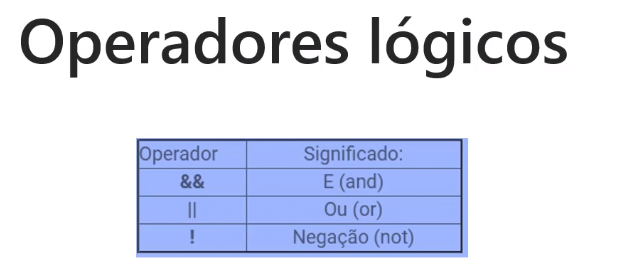


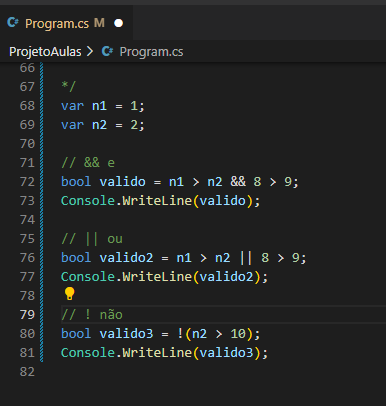
Operadores Relacionais



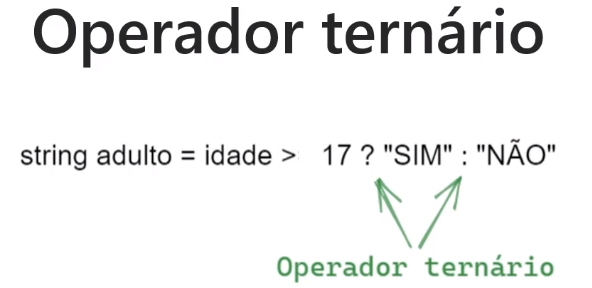


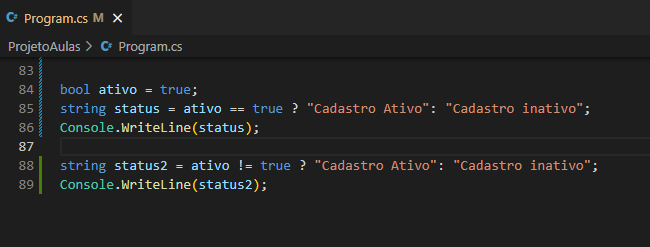
Operadores Logicos



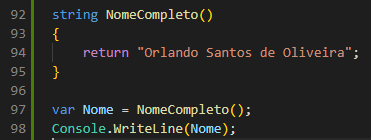


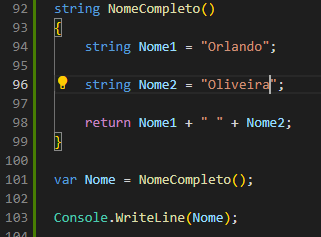
Operador ternãrio

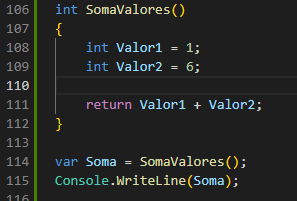




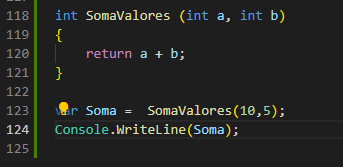
# 03 – Funções

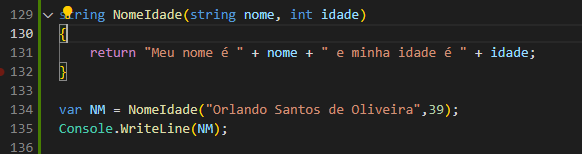






### Função com parametros

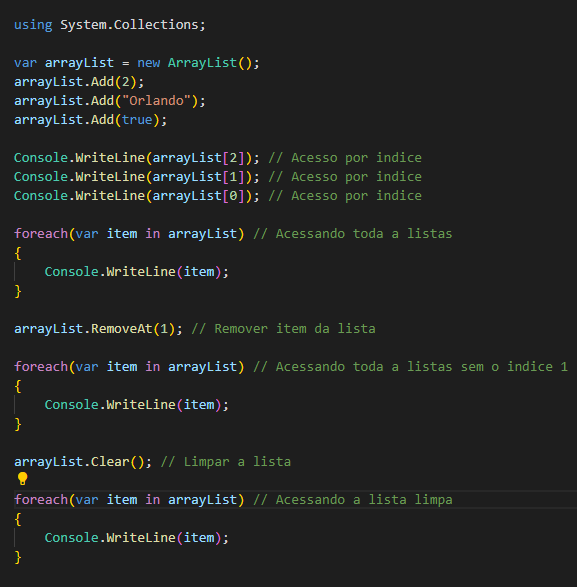




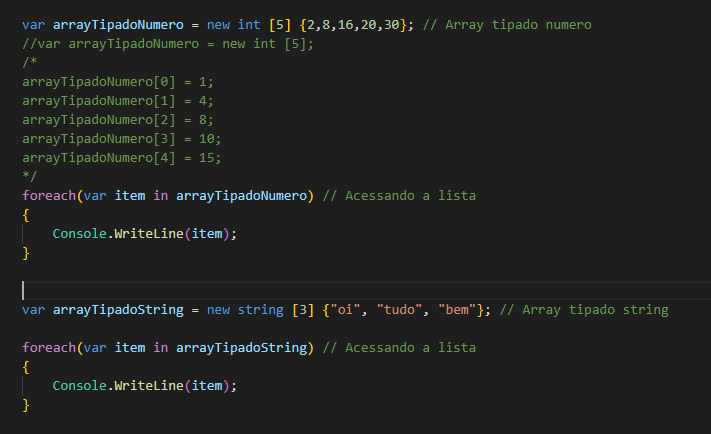
# 04 – Extrutura de Dados



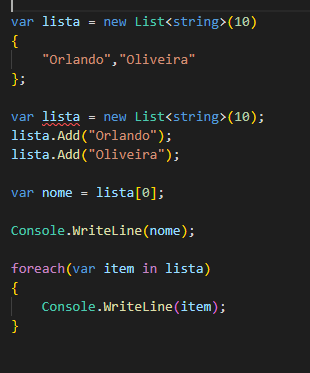
### 04.1 – ArrayList



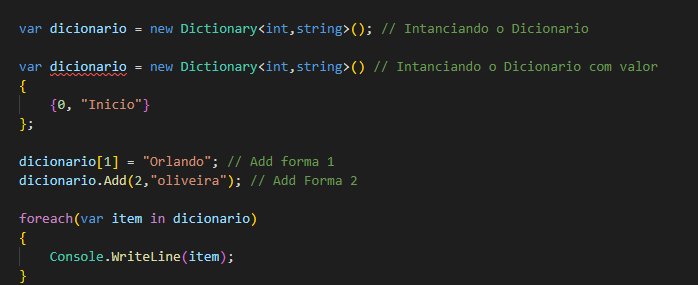
### 04.2 – Array Tipado

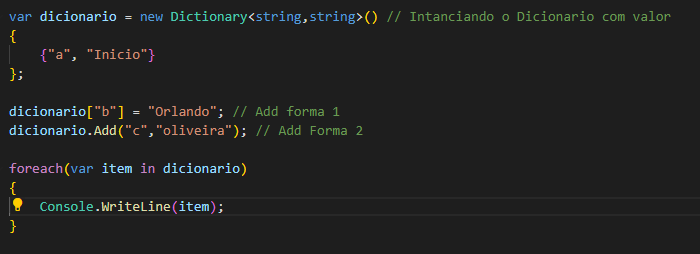


### 04.3 – Lista



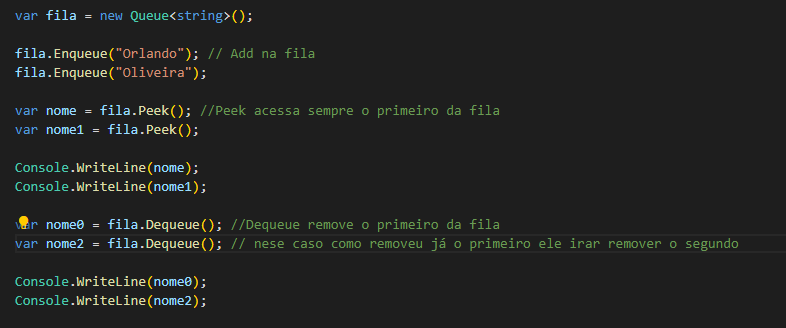
### 04.4 – Dicionário





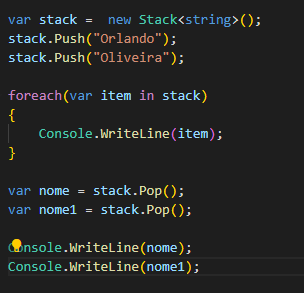
### 04.5 – Queue (Fila)

O primeiro que entra é o primeiro a sair



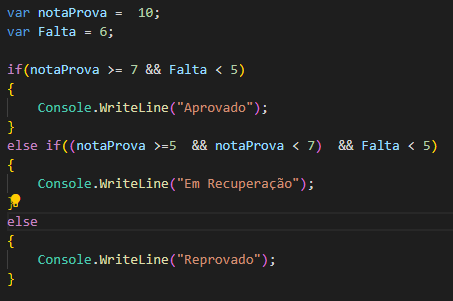
### 04.6 – Stack (Pilha)

O ultimo a entrar é o primeiro a sair

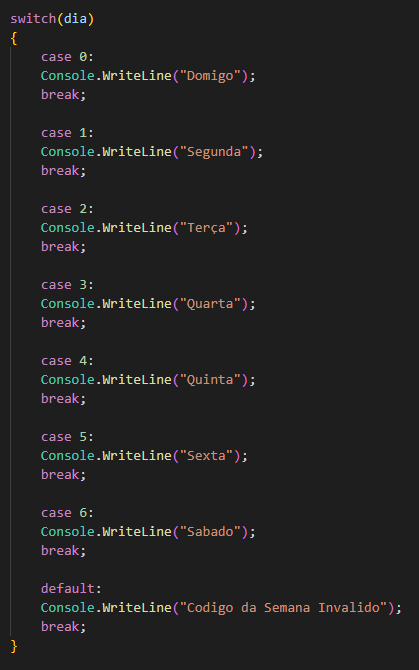


## 05.0 Estrutura de Controle

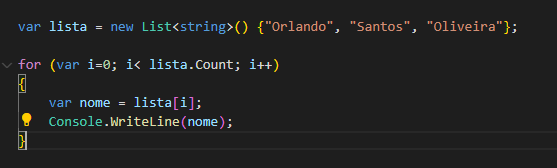
### 05.1 IF e IF else



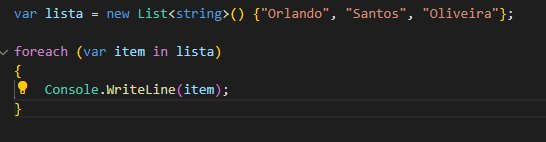
### 05.2 Switch

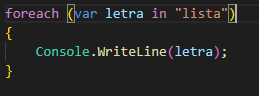


### 05.3 For

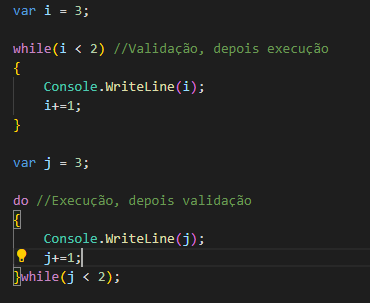


## 05.4 Foreache

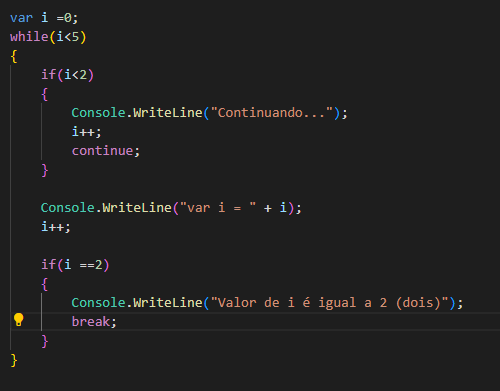




## 05.5 While\Do While



## 05.6 Break\Continue

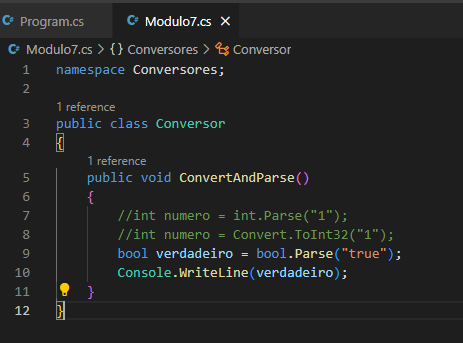


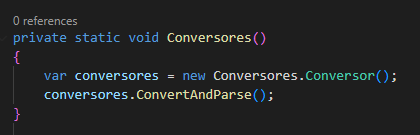
## 06.0 Classe e outros tipos

### 06.1

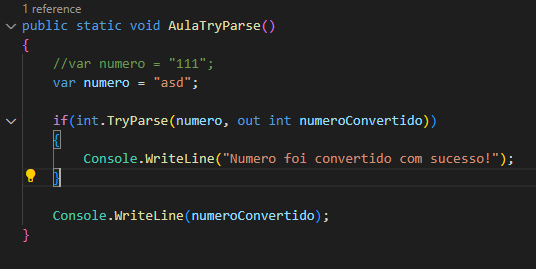
## 07.0 Conversores de Valores

### 07.1 Convert/Parse



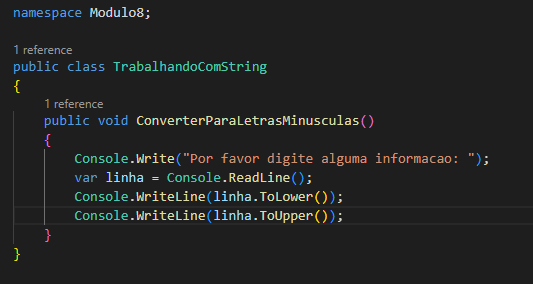


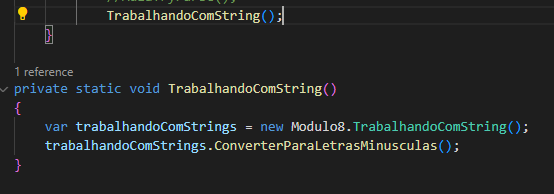
### 07.2 TryParse



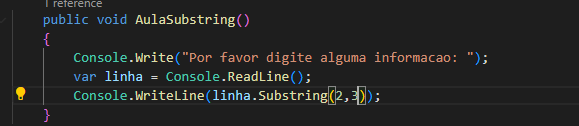
## 08.0 Trabalhando com String

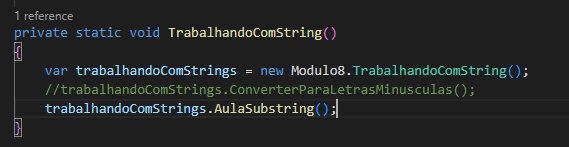
### 08.1 ToLower\ ToUpper





### 08.2 Substring





### 08.3 Range

### 08.5 Contains

### 08.6 Trim

### 08.7 StartsWith/EndsWith

### 08.8 Replace

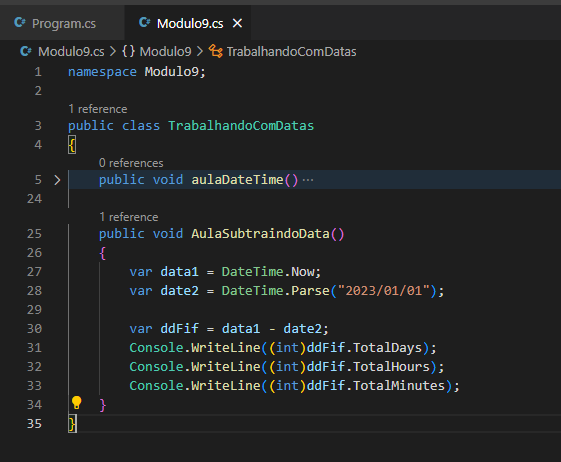
### 08.9 Length

## 09.0 Trabalhando com Datas

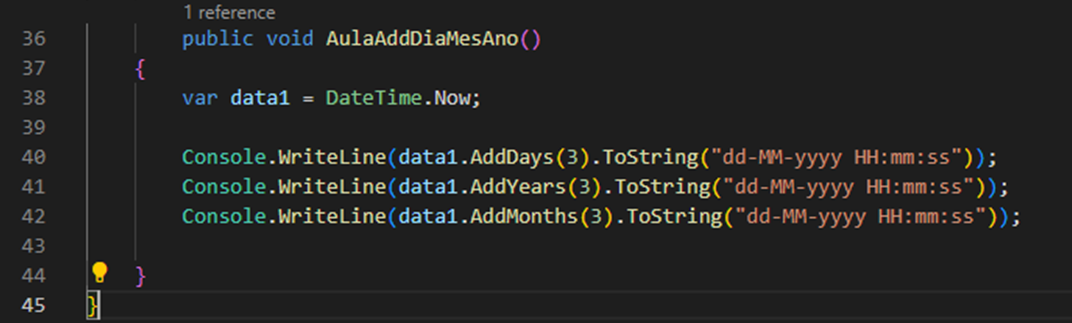
### 09.1 DateTime

### 

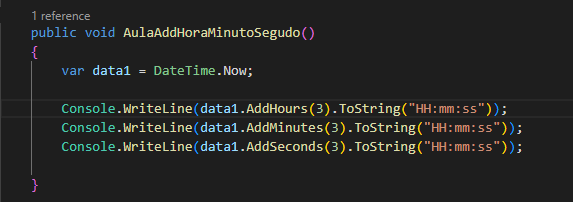
### 09.2 SubtraindoDatas



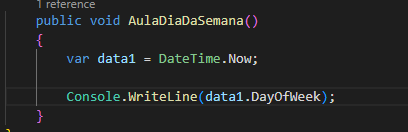
### 09.3 Add Dia Mês e Ano



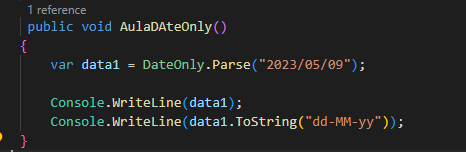
### 09.4 Add Hora, Minuto, Segundo



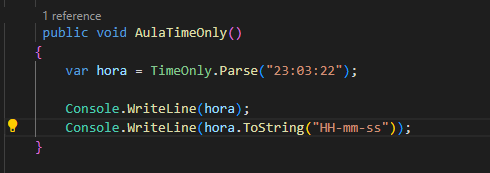
### 09.5 Recuperando Dia da Semana



### 09.6 DateOnly

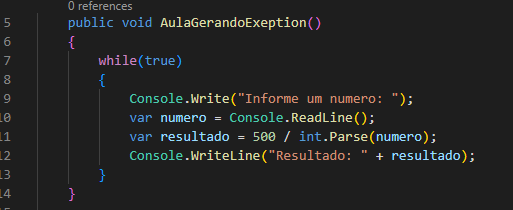


### 09.7 TimeOnly



## 10.0 Exception

### 10.1 Criando Exception

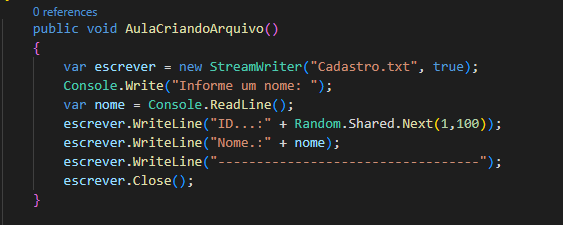


### 10.2 Tratando Exception



## 11.0 Trabalhando com Arquivo

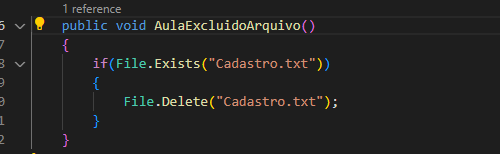
### 11.1 Criando Arquivo



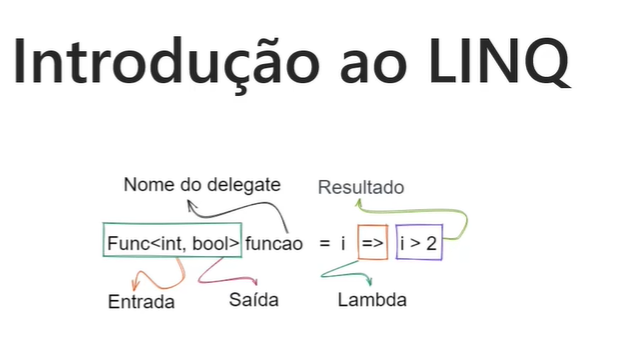
### 11.2 Lendo Arquivo



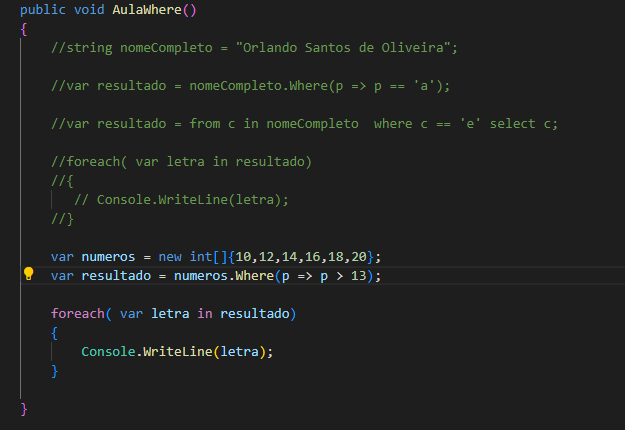
### 11.2 Excluindo Arquivo



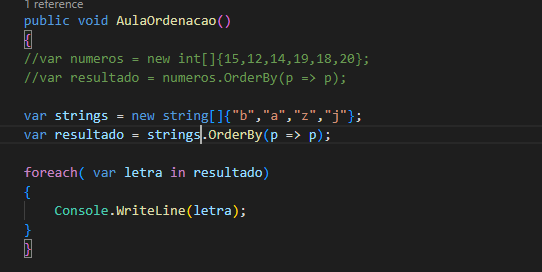
## 12.0 Linq



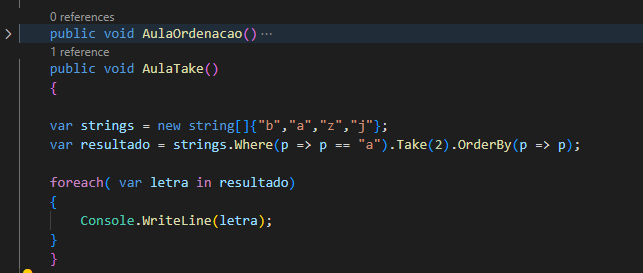
### 12.1 Where



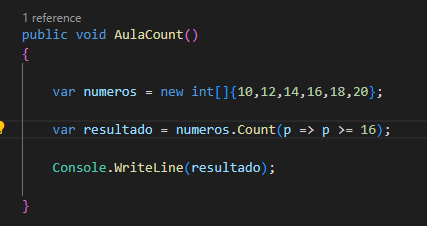
### 12.2 Order by



### 12.3 Take



### 12.4 Count



### 12.5 First/FirstOrDefault

