



# **COMPUTAÇÃO EM NUVEM PARA WEB I**

**Aula 06 - CMD - Variáveis e Strings**

Prof. Anderson Vanin

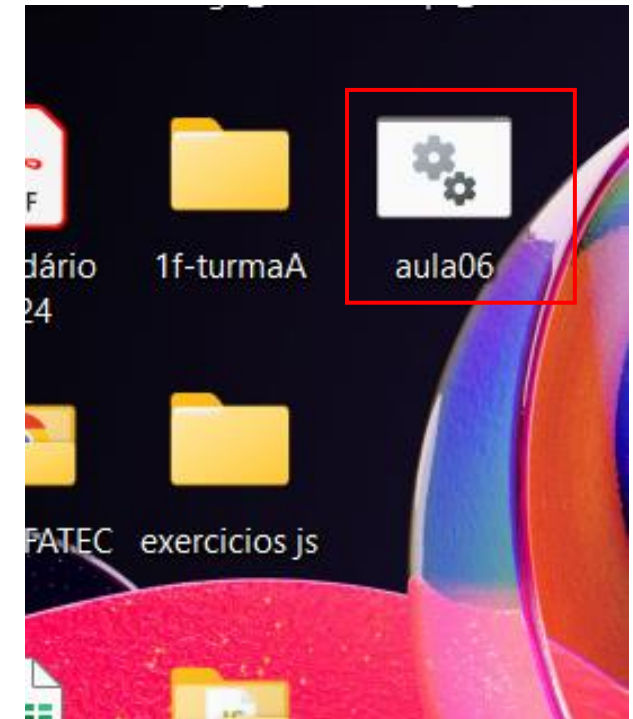
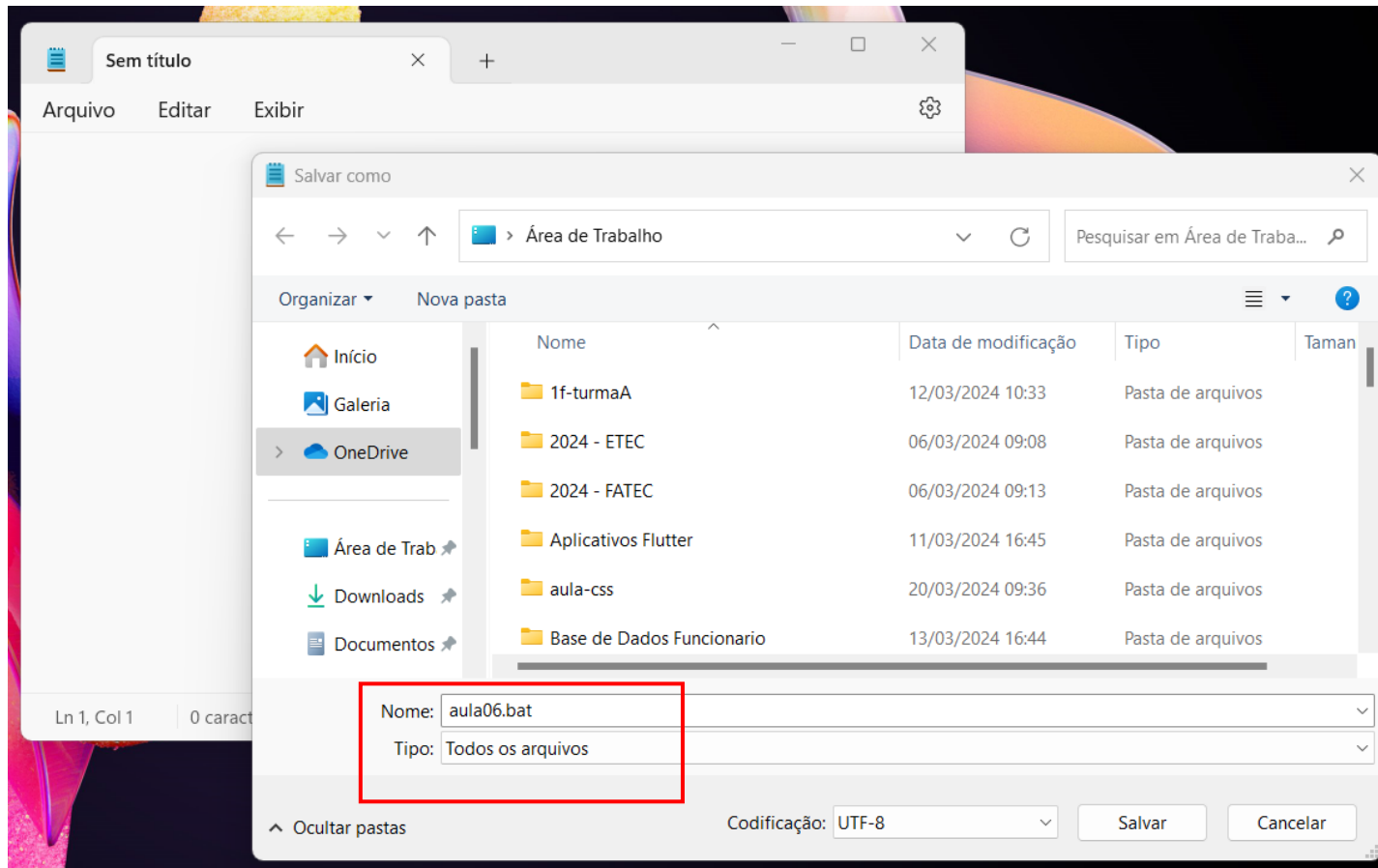
# CMD – VARIÁVEIS E STRINGS

Variáveis:

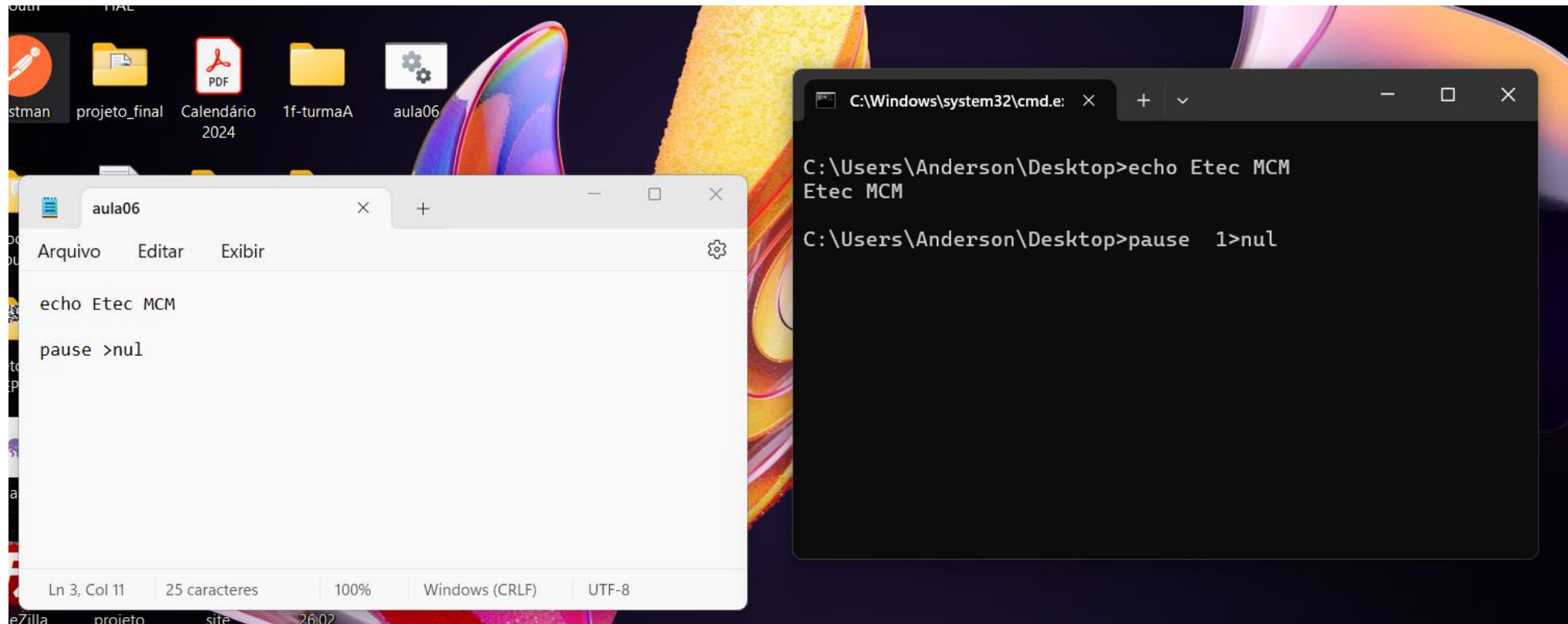
- + Variáveis com entrada de dados;
- + Manipulação de Strings;
  - Concatenação
  - Substituição
  - Extração
- + Operações matemáticas;
  - Operadores
  - Cálculo simples e composto
  - Operadores de atribuição
  - Múltiplas variáveis numéricas
- + Variáveis de ambiente
  - Alcance de usuário e de sistema.

# CMD – Arquivo .bat

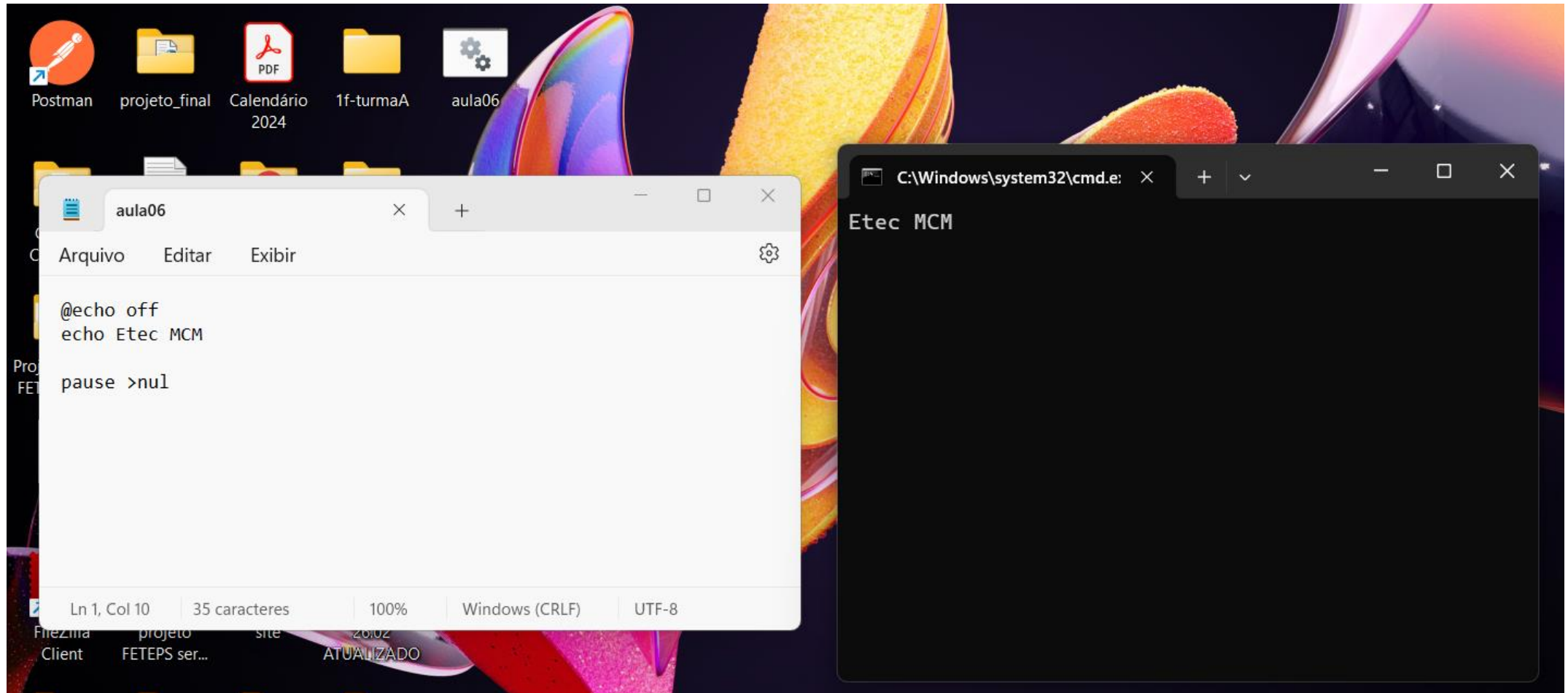
+ Abra um bloco de notas e salve-o como **aula06.bat**



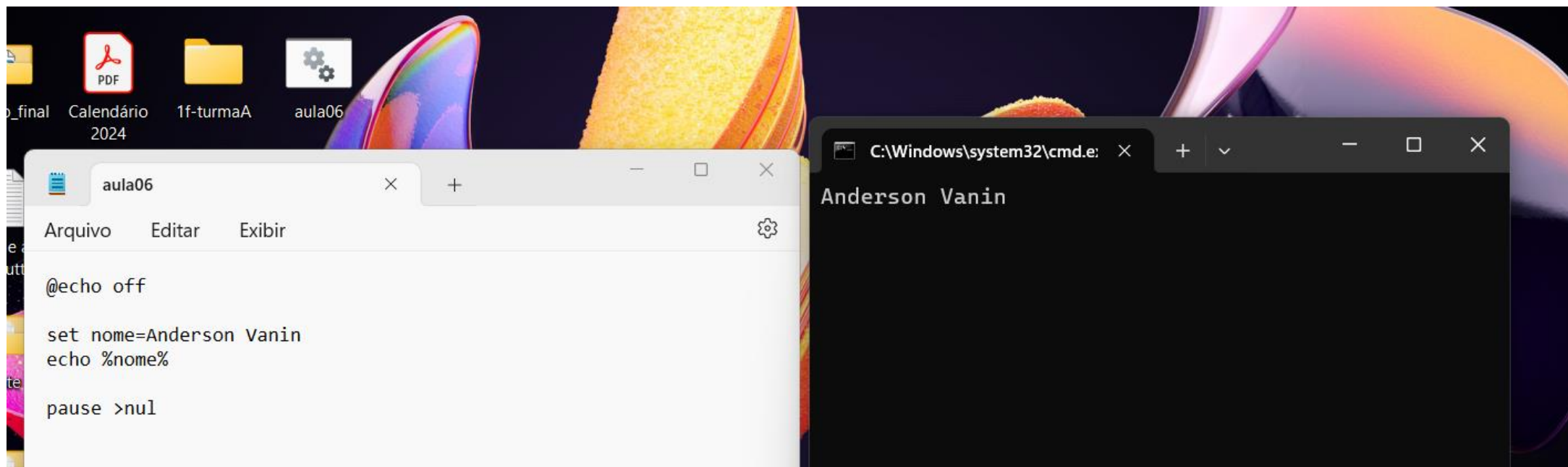
# Echo off - @Echo off



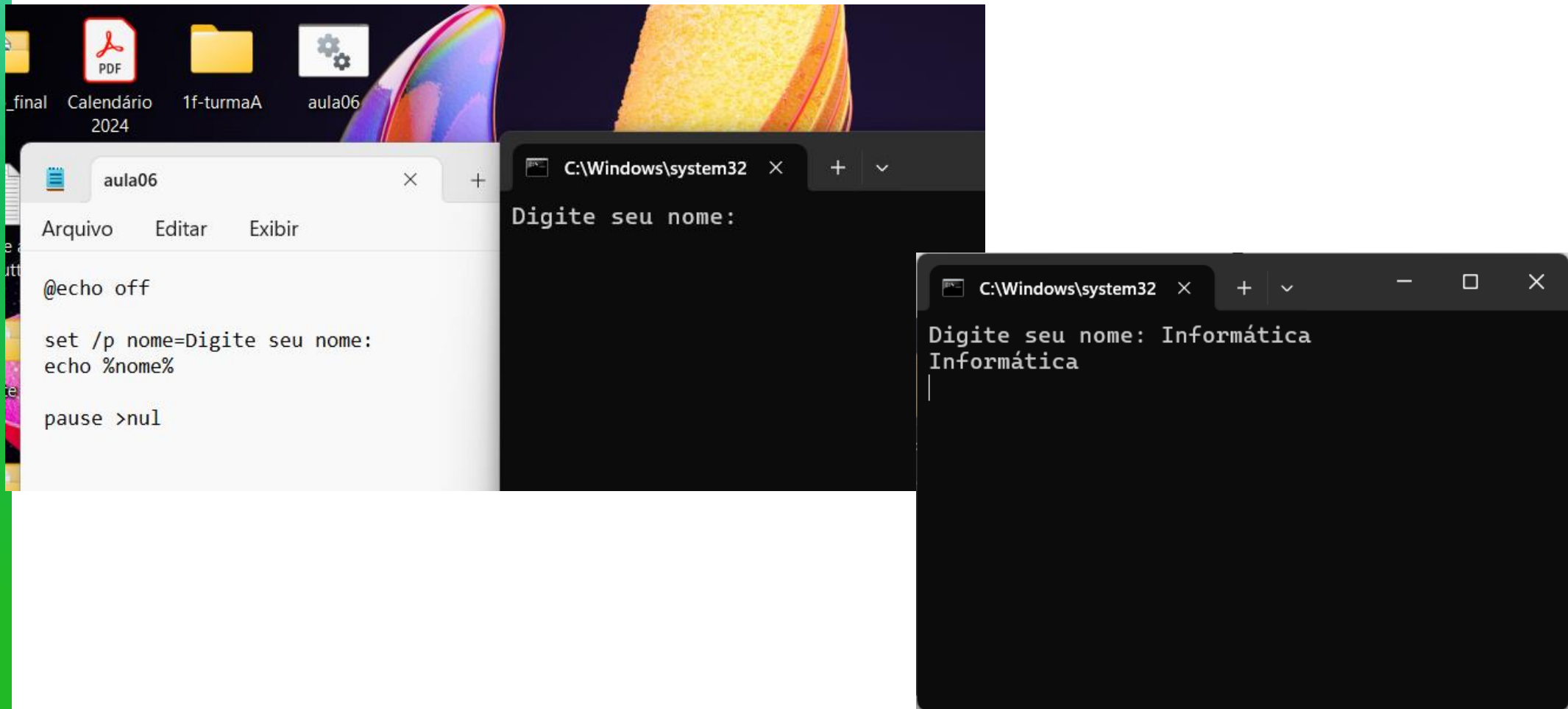
# Echo off - @Echo off



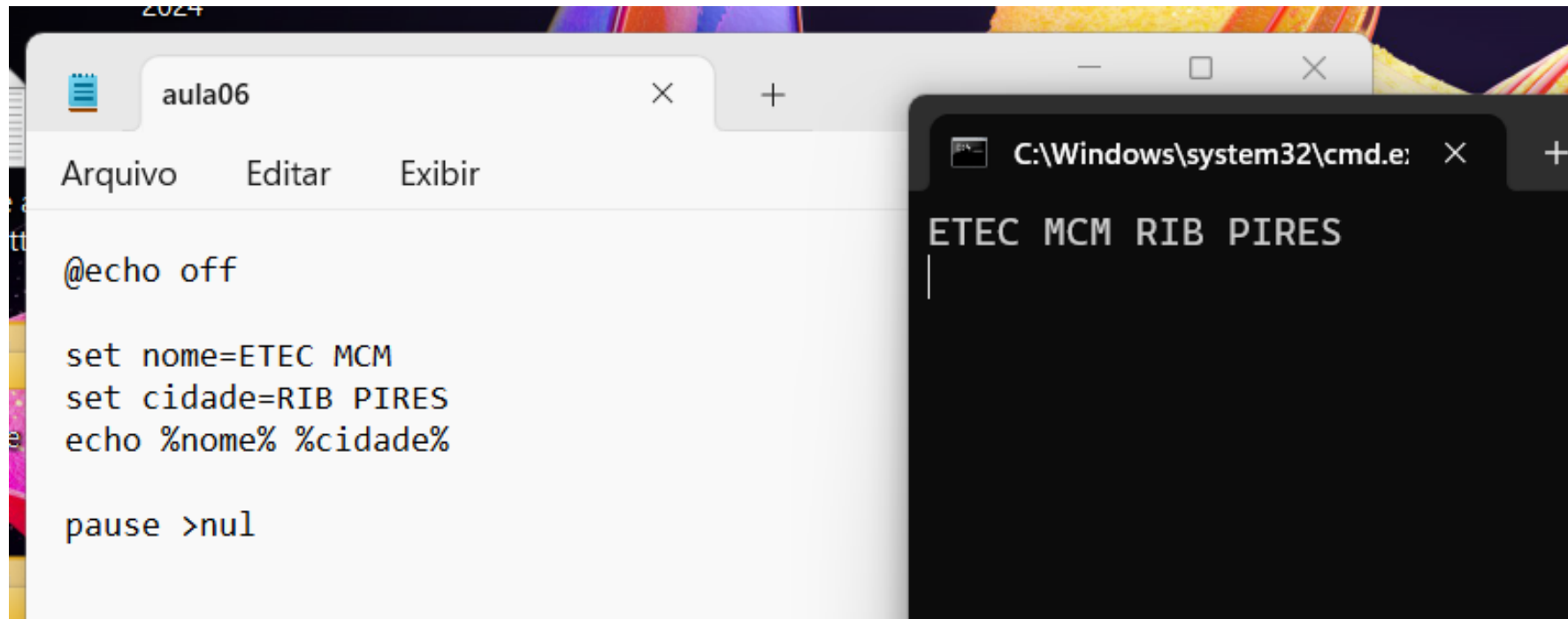
# Criando uma variável



# Atribuindo valores manualmente



# Concatenação



The image shows a Windows desktop environment. In the foreground, a text editor window titled 'aula06' is open, displaying a batch script. The script contains the following commands:

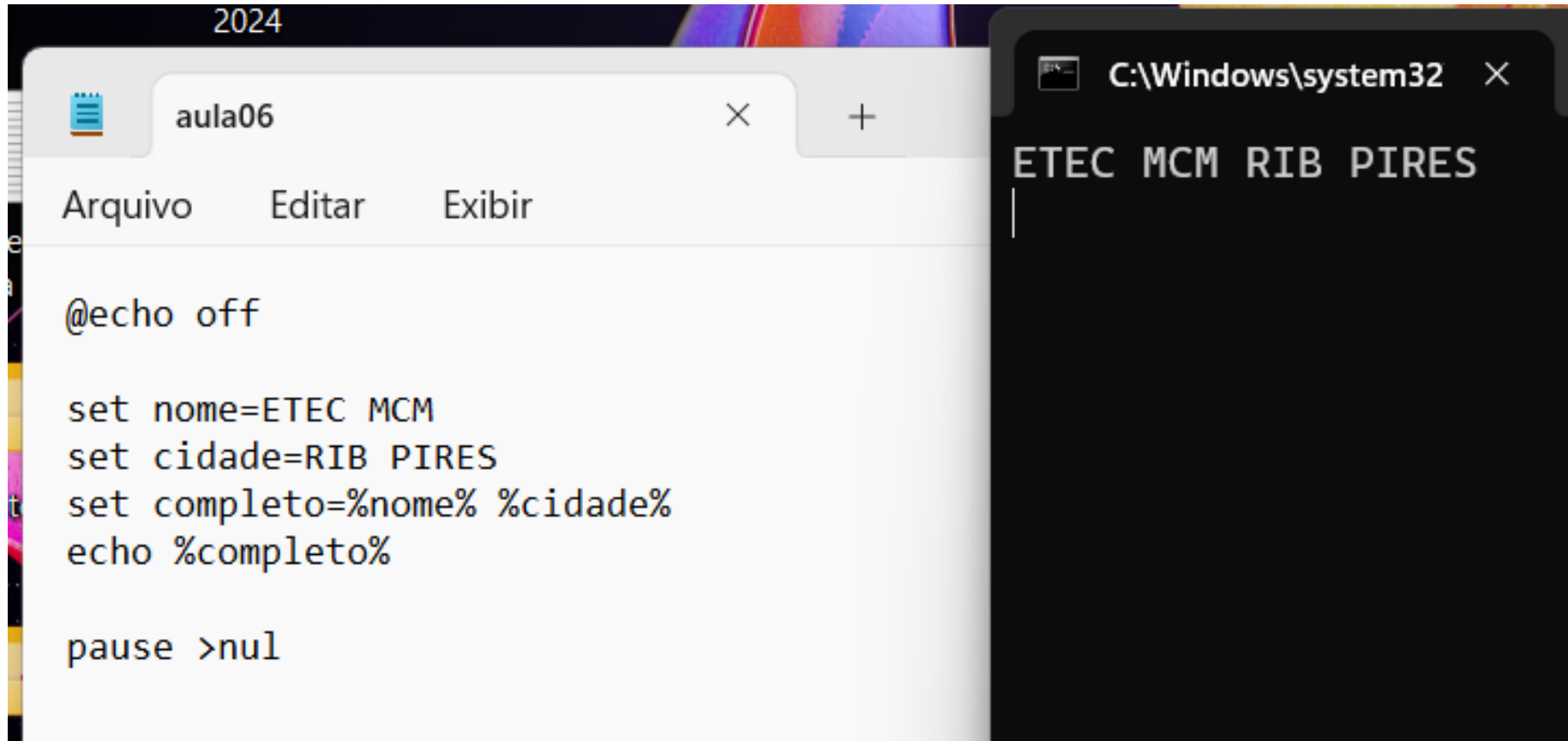
```
@echo off  
  
set nome=Etec MCM  
set cidade=Ribeirão Preto  
echo %nome% %cidade%  
  
pause >nul
```

Overlaid on the bottom right of the text editor is a Windows Command Prompt window. The title bar of the command prompt reads 'C:\Windows\system32\cmd.e:'. The command prompt displays the output of the batch script:

```
Etec MCM Ribeirão Preto
```



# Concatenação



```
2024
```

```
aula06
```

```
Arquivo  Editar  Exibir
```

```
@echo off
```

```
set nome=ETEC MCM
```

```
set cidade=RIB PIRES
```

```
set completo=%nome% %cidade%
```

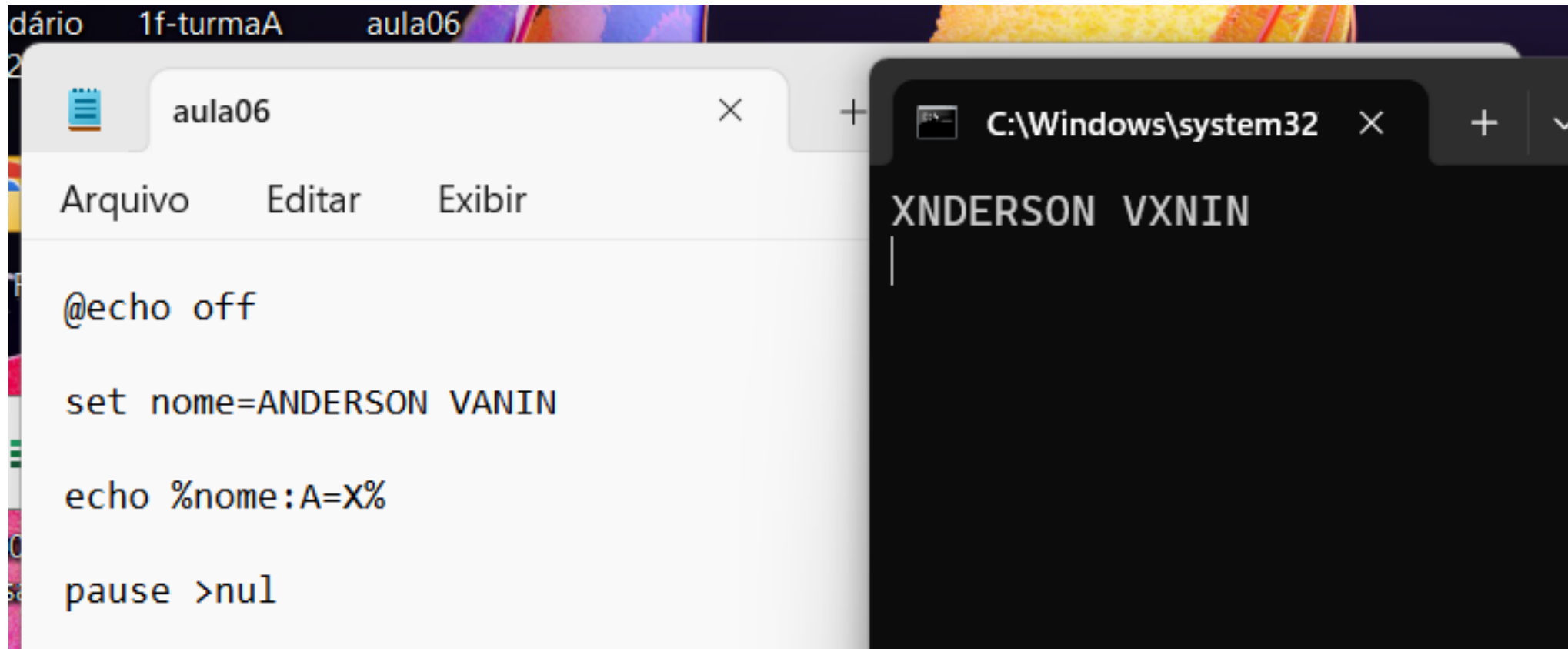
```
echo %completo%
```

```
pause >nul
```

```
C:\Windows\system32
```

```
ETEC MCM RIB PIRES
```

# Substituição de String



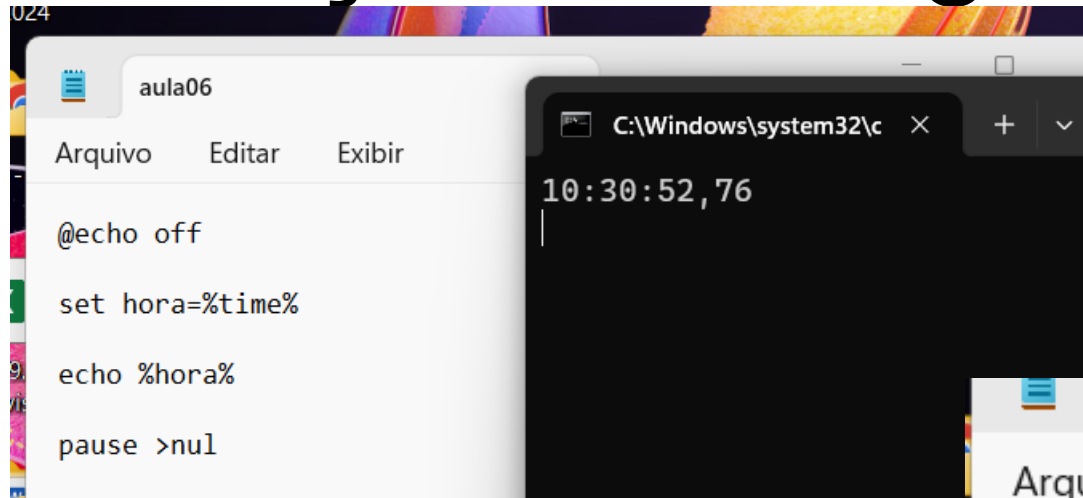
The image shows a Windows desktop with two windows open. The background window is Notepad++, titled 'aula06', with a menu bar showing 'Arquivo', 'Editar', and 'Exibir'. The text in the editor is a batch script:

```
@echo off  
  
set nome=ANDERSON VANIN  
  
echo %nome:A=X%  
  
pause >nul
```

The foreground window is a Command Prompt, titled 'C:\Windows\system32'. It displays the output of the batch script:

```
XNDERSON VNXIN
```

# Extração de Strings

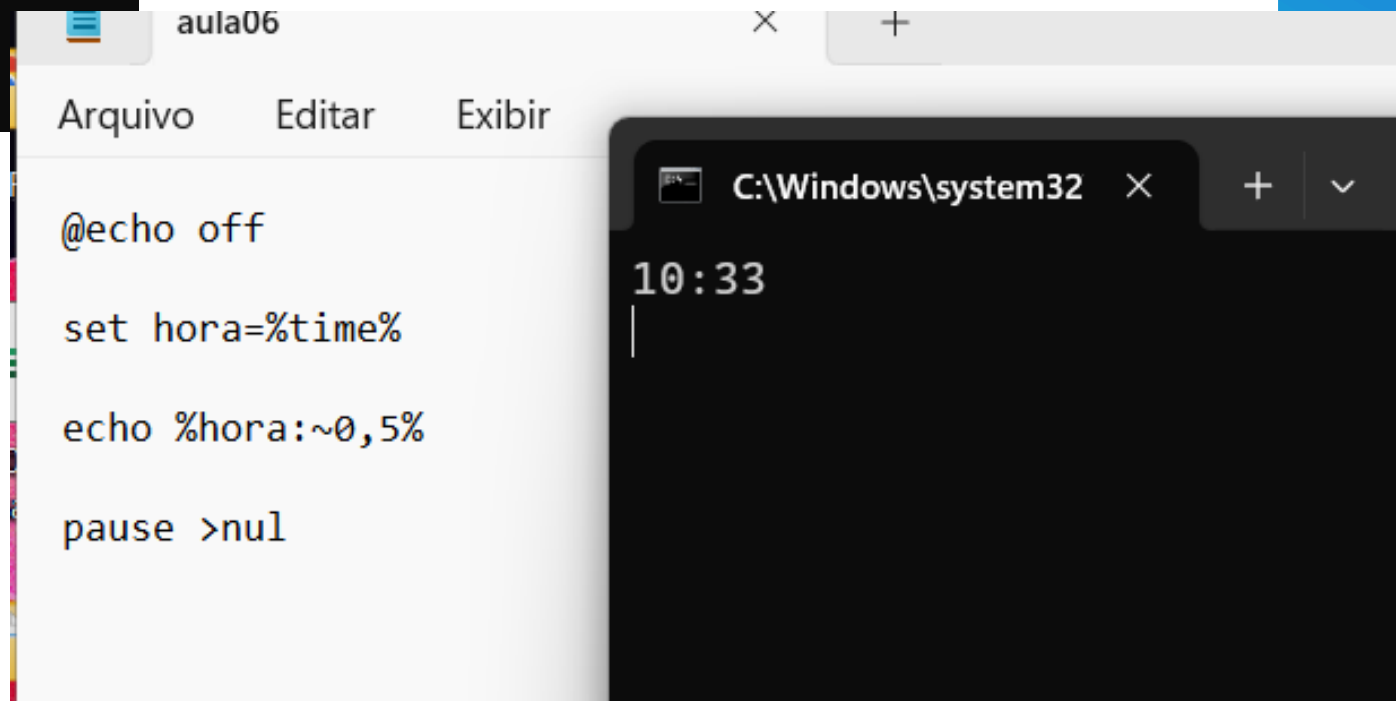


```
@echo off
set hora=%time%
echo %hora%
pause >nul
```

10:34:27,86

0123456789...

**5 caracteres**

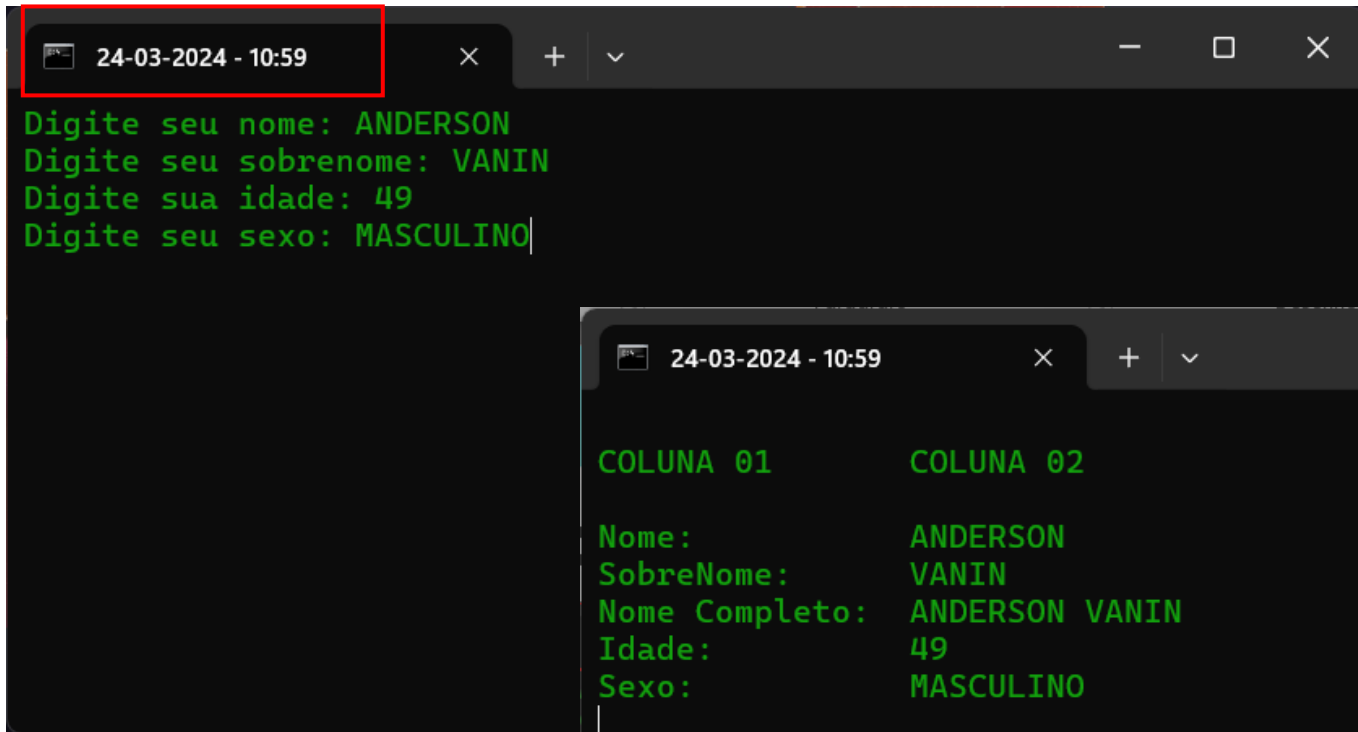


```
@echo off
set hora=%time%
echo %hora:~0,5%
pause >nul
```

# Exercício

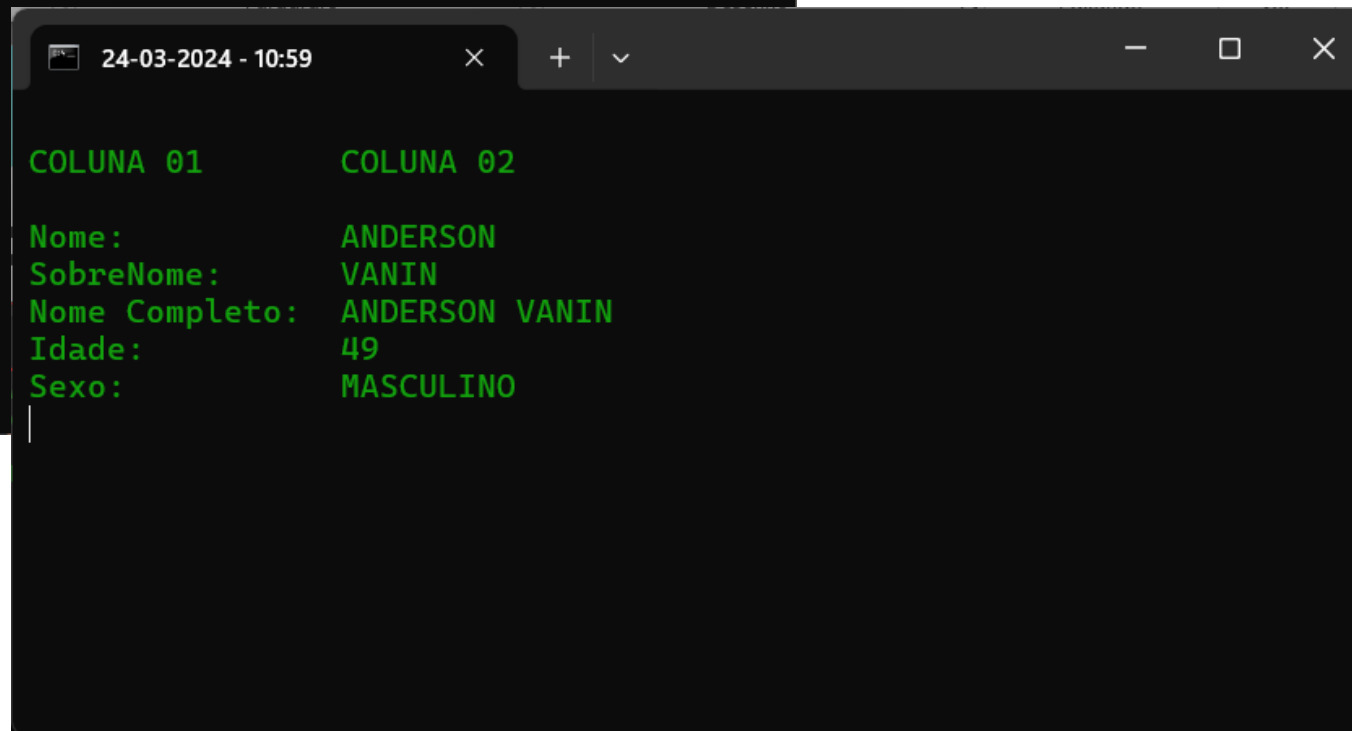
- + Elabore um script bat que solicite algumas informações ao usuário: Nome, Sobrenome, Idade e Sexo
- + O Script deve ter em seu title as seguintes informações:
  - Data no formato: DD-MM-AAAA
  - Hora: HH:MM
- + Ao coletar as informações, limpar a tela e exibi-las tabuladas.

# Exercício



A screenshot of a terminal window with a dark background and green text. The window title bar shows the date and time '24-03-2024 - 10:59'. The terminal displays the following prompts and user input:

```
Digite seu nome: ANDERSON
Digite seu sobrenome: VANIN
Digite sua idade: 49
Digite seu sexo: MASCULINO
```



A screenshot of a terminal window with a dark background and green text. The window title bar shows the date and time '24-03-2024 - 10:59'. The terminal displays the following output:

```
COLUNA 01      COLUNA 02

Nome:          ANDERSON
SobreNome:     VANIN
Nome Completo: ANDERSON VANIN
Idade:         49
Sexo:          MASCULINO
```