Pycharm for Anaconda

INTRODUÇÃO

LUIZ FERNANDO SIMÕES FAVARO

1. Informações Iniciais

- **PyCharm**
  - *IDE cross-platform* dedicada para Python *(03/02/2010, 10yo)*
  - *Desenvolvida em Java e Python*

- **Desenvolvedor:** Jetbrains *(empresa tcheca, 14/08/2000, 20yo)*
  - **Principais produtos:**
    - **ItelliJ IDEA:** a mais popular IDE Java paga
    - **Android Studio:** principal IDE para desenvolvimento Android

2. Versões

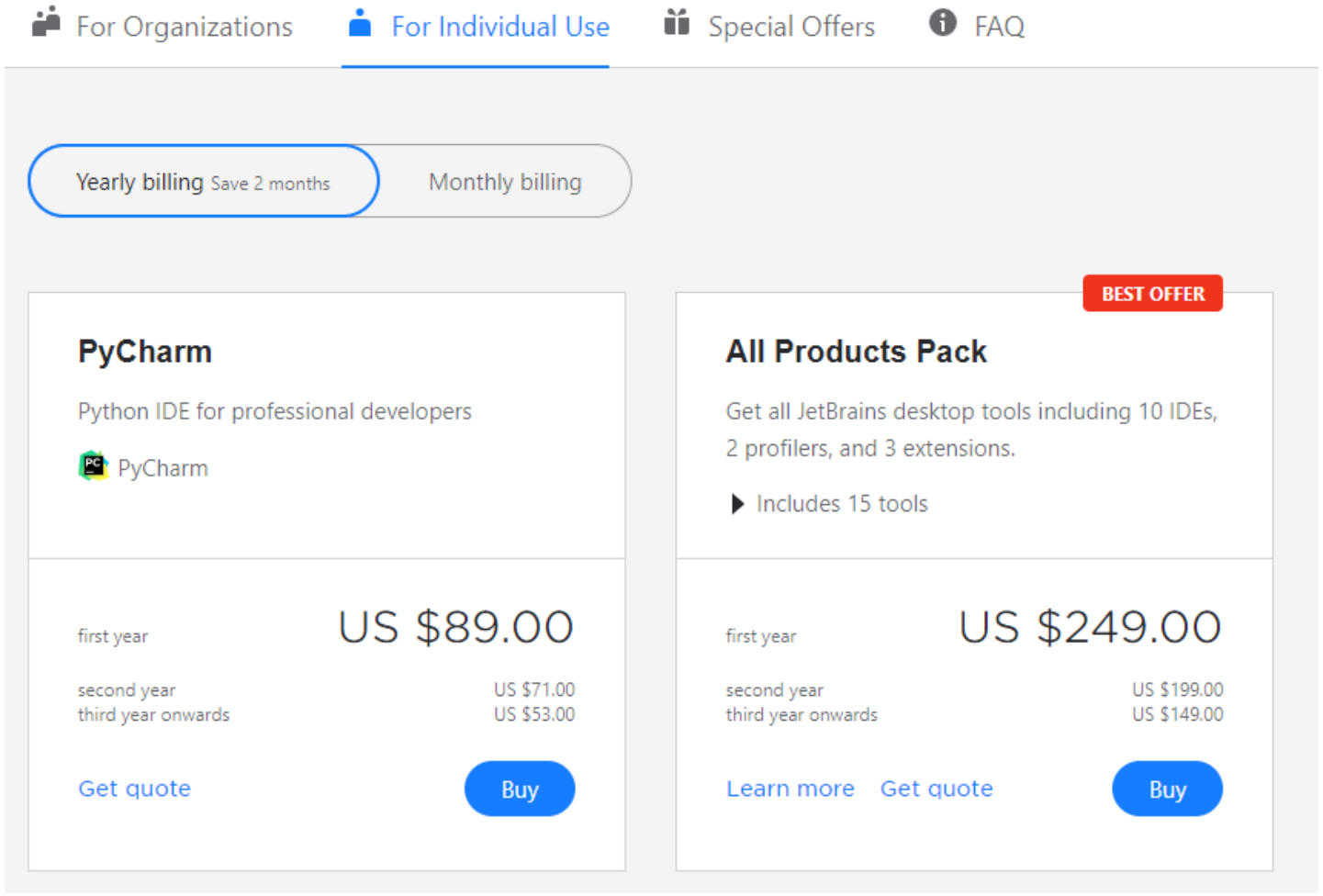
	PyCharm Professional Edition	PyCharm Community Edition
Intelligent Python editor	✓	✓
Graphical debugger and test runner	✓	✓
Navigation and Refactorings	✓	✓
Code inspections	✓	✓
VCS support	✓	✓
Scientific tools	✓	
Web development	✓	
Python web frameworks	✓	
Python Profiler	✓	
Remote development capabilities	✓	
Database & SQL support	✓	

Free trial

Free, open-source

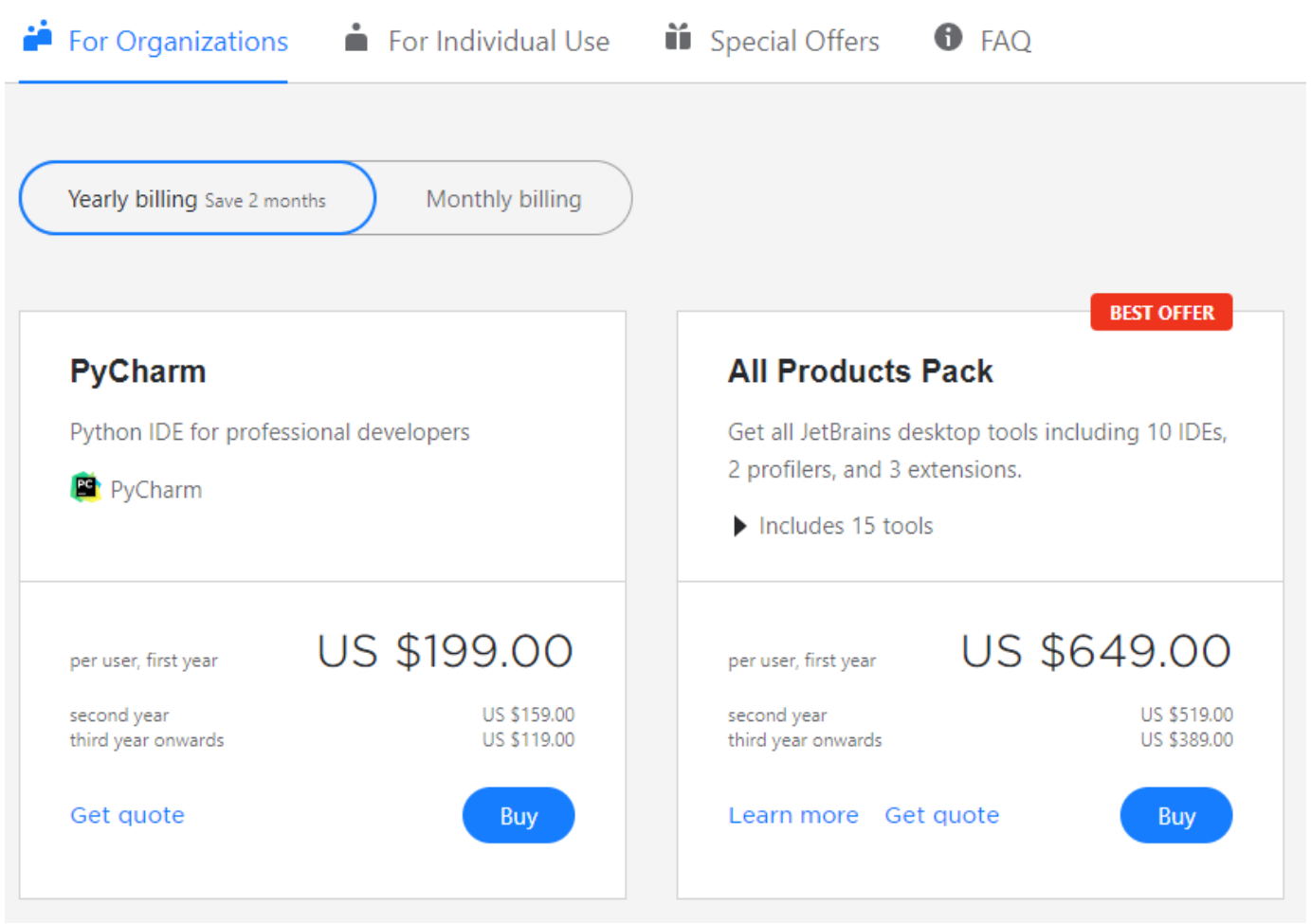
- https://www.jetbrains.com/pycharm/

3. Preços



- https://www.jetbrains.com/pycharm/buy/#personal?billing=yearly

3. Preços



- https://www.jetbrains.com/pycharm/buy/#commercial?billing=yearly

4. Qual instalar?

Other Versions

Version 2020.2 2020.2.1

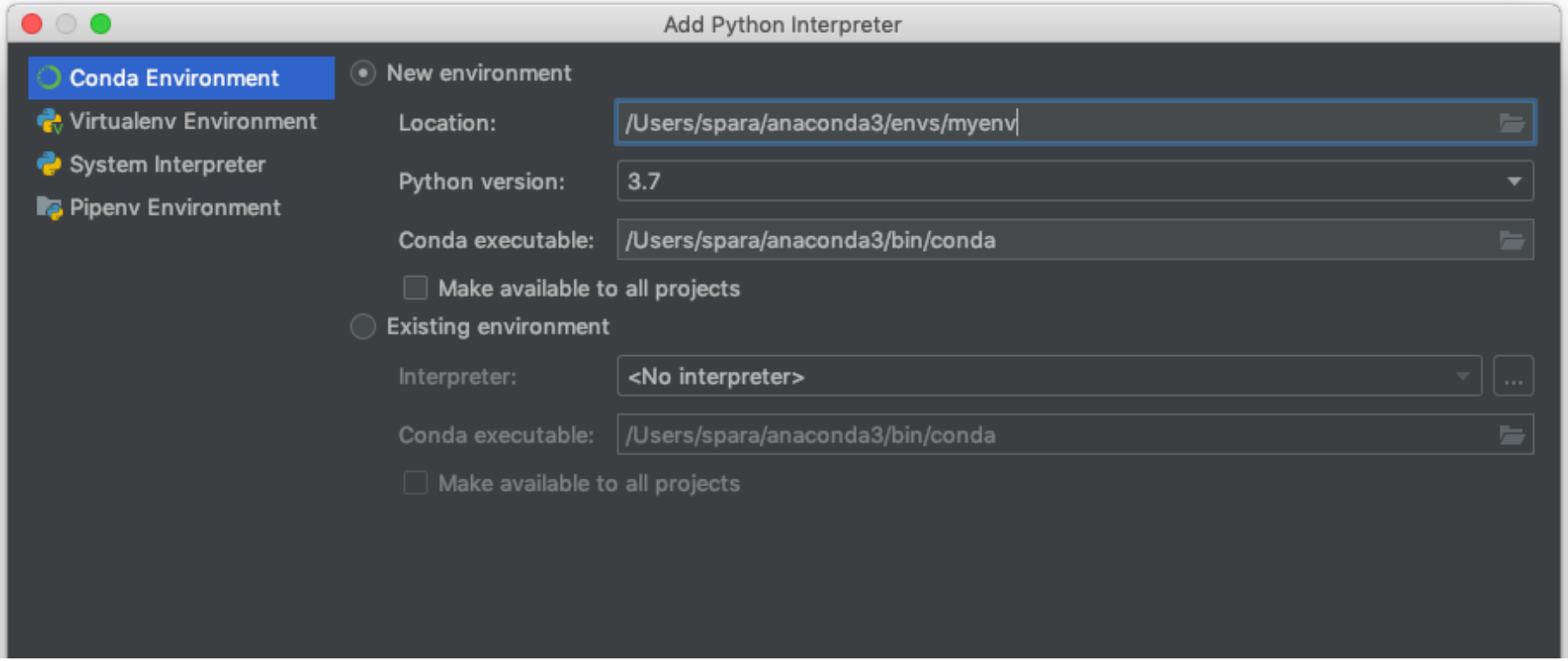
PyCharm Professional Edition	PyCharm Community Edition
2020.2.1 - Linux (tar.gz)	2020.2.1 - Linux (tar.gz)
2020.2.1 - Linux with Anaconda plugin (tar.gz)	2020.2.1 - Linux with Anaconda plugin (tar.gz)
2020.2.1 - Windows (exe)	2020.2.1 - Windows (exe)
2020.2.1 - Windows with Anaconda plugin (exe)	2020.2.1 - Windows with Anaconda plugin (exe)
2020.2.1 - macOS (dmg)	2020.2.1 - macOS (dmg)
2020.2.1 - macOS with Anaconda plugin (dmg)	2020.2.1 - macOS with Anaconda plugin (dmg)

Version: 2020.2.1 (Release notes)
Build: 202.6948.78
Released: 25 August 2020

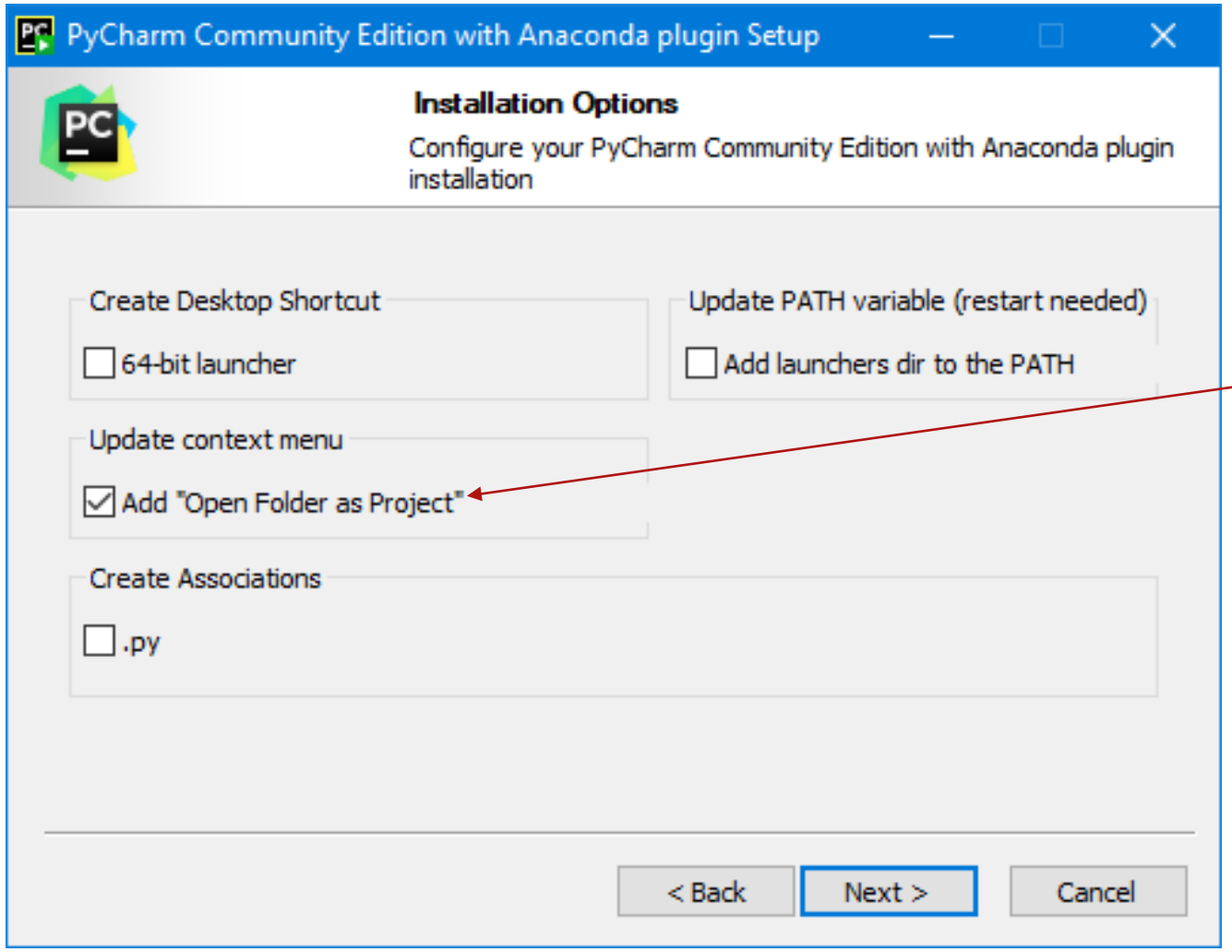
PyCharm Professional Edition third-party software
PyCharm Community Edition third-party software

- https://www.jetbrains.com/pycharm/download/other.html

4. O Plugin Anaconda



https://docs.anaconda.com/anaconda/user-guide/tasks/pycharm/



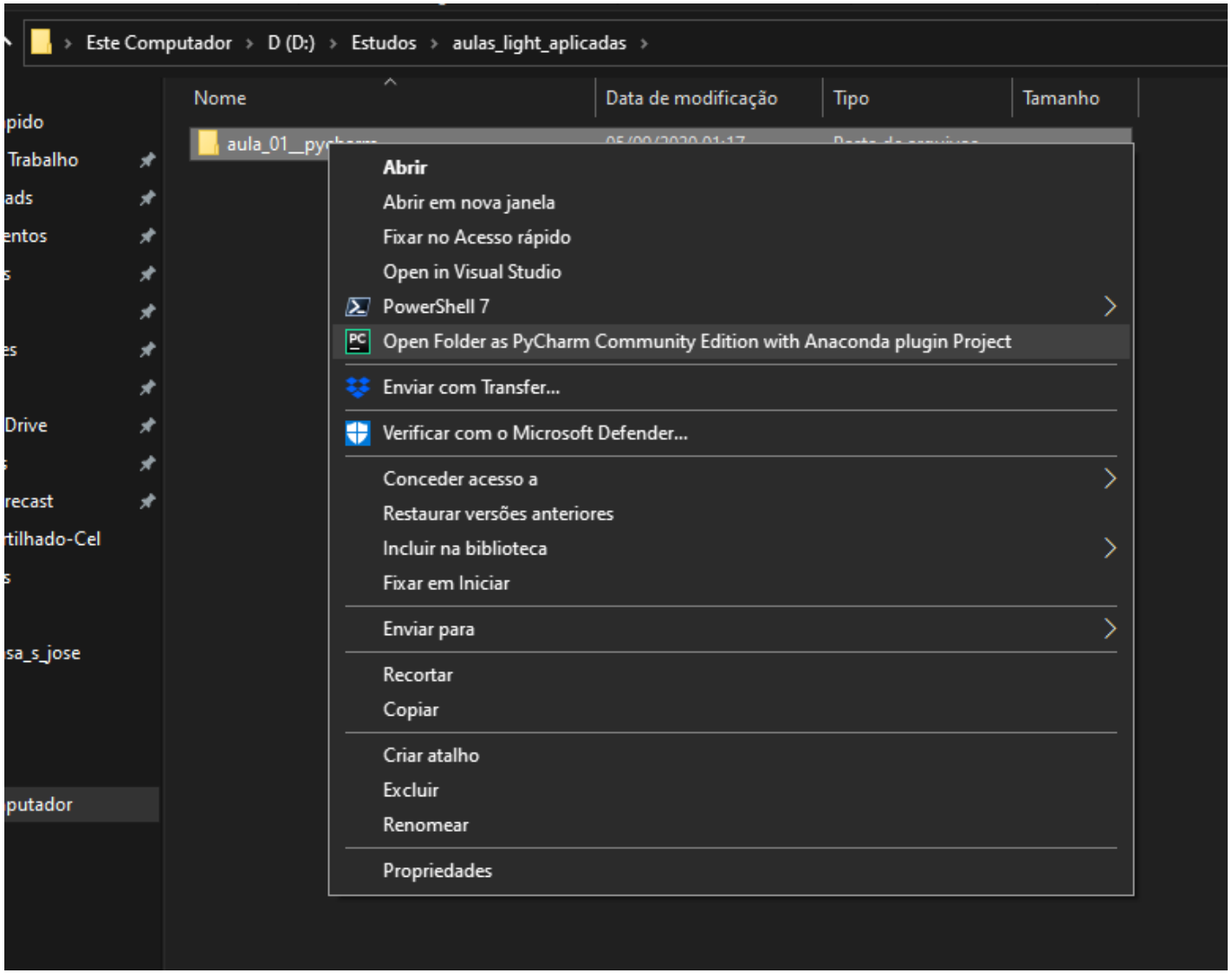
Para abrir/criar projetos rapidamente

5. Dica de instalação

(Windows)

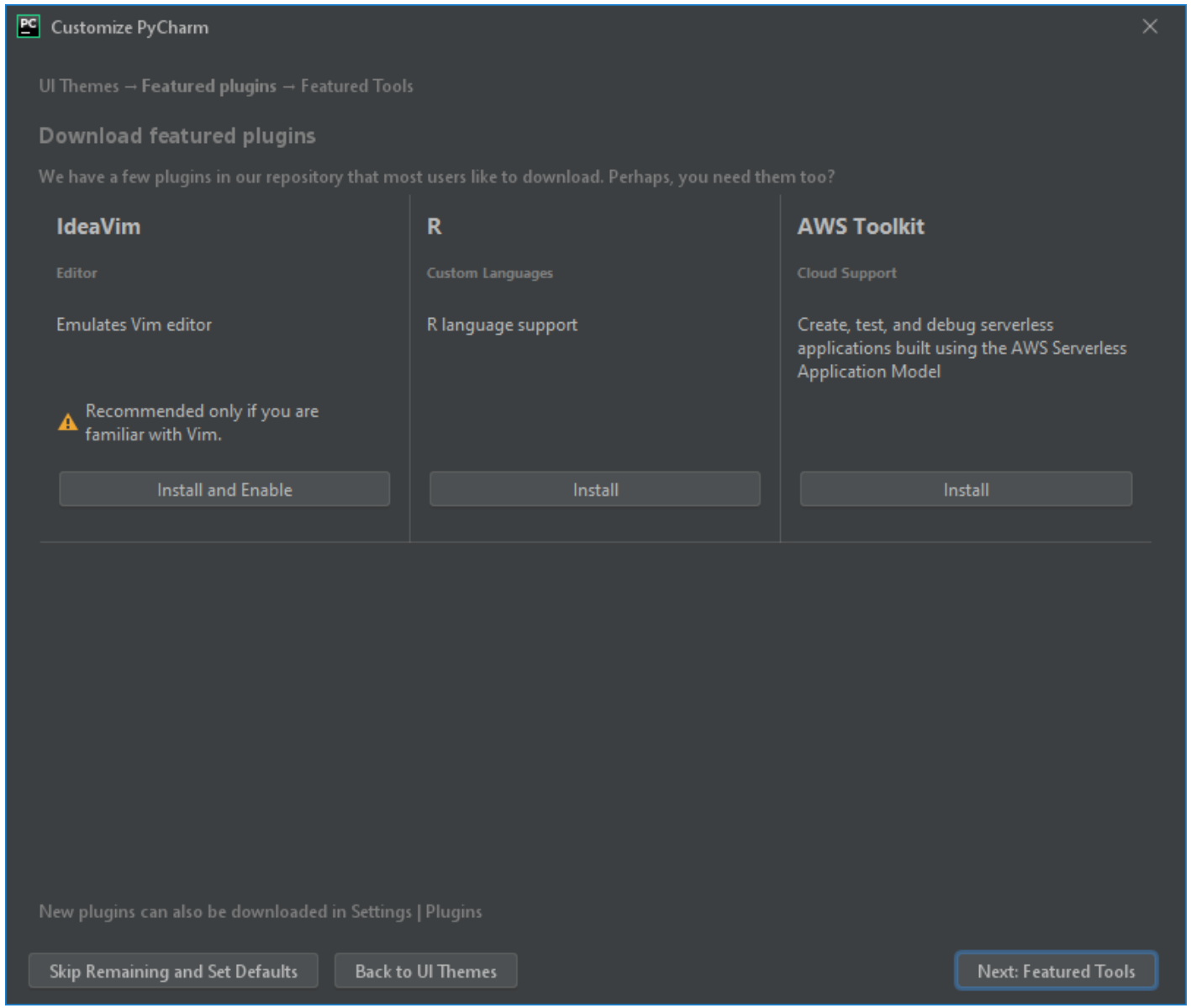
Marcar:

Add "Open Folder as Project"



5. Dica de instalação

Para criar ou abrir um projeto rapidamente



Plugin para emular Vim

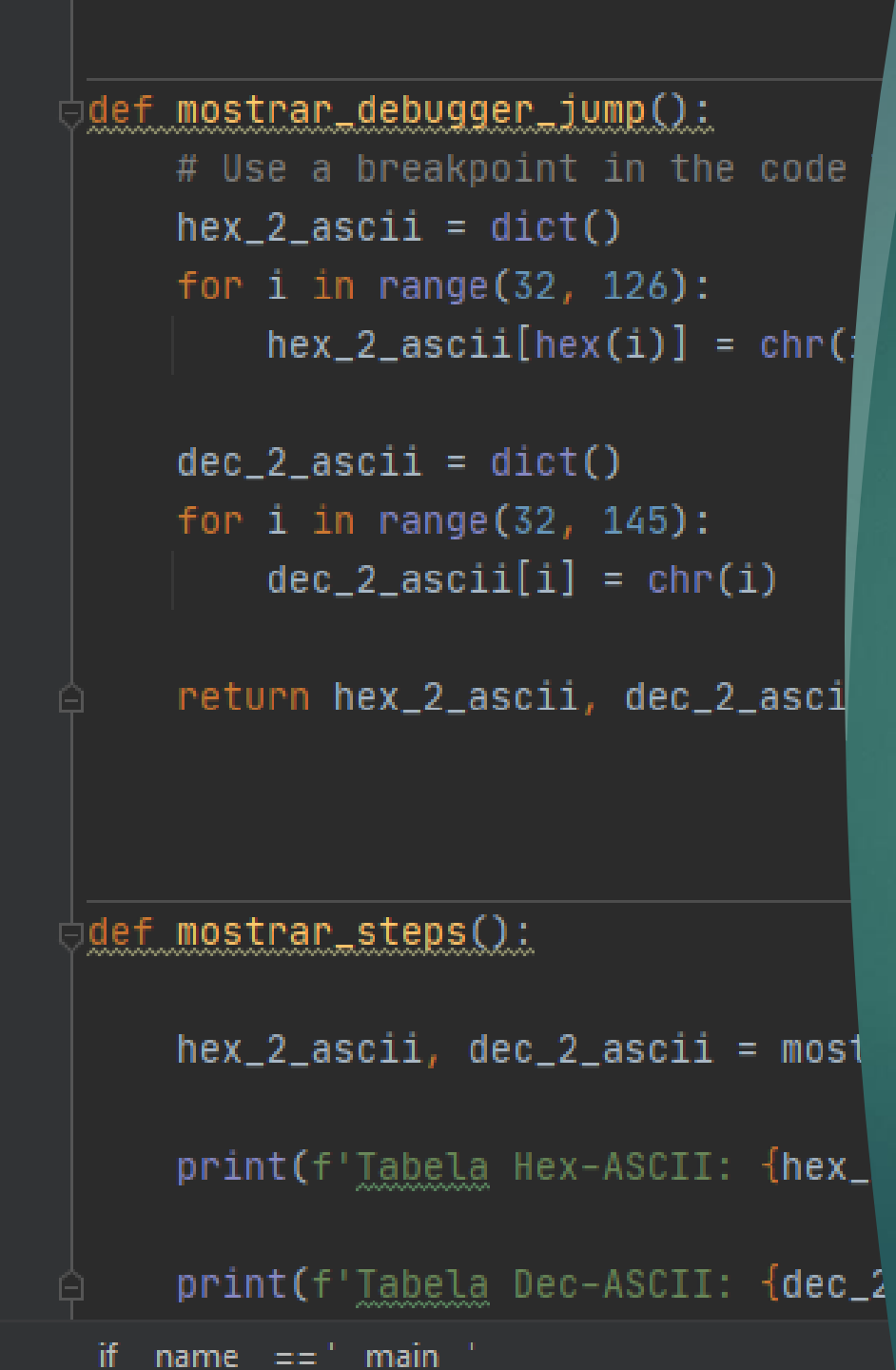
6. Plugins

7. Personalizações

ESQUEMA DE CORES: MONOKAI

FONTE: JETBRAINS MONO 16

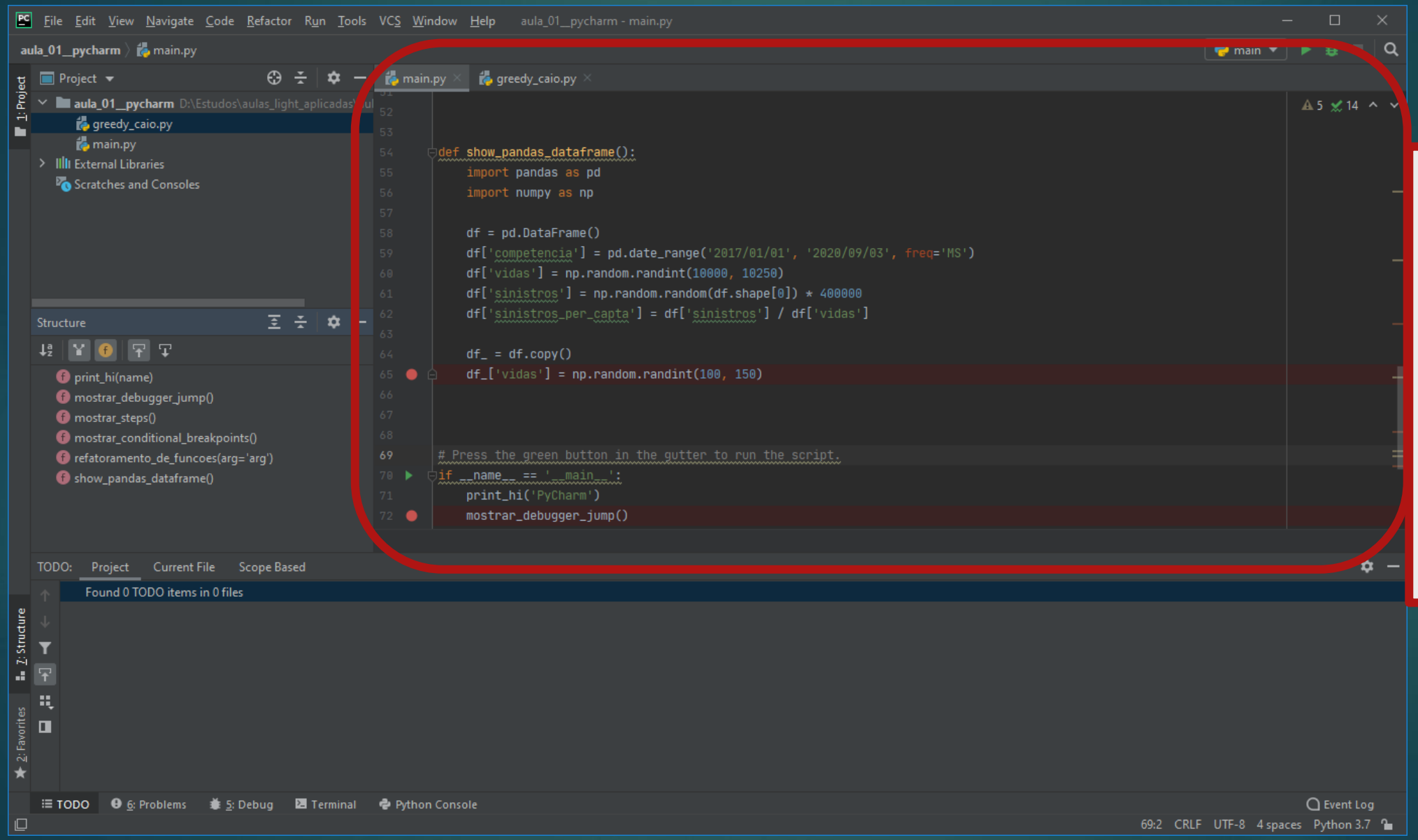
COMENTÁRIOS: ITÁLICO



Separador de funções e métodos

SETTINGS –> GENERAL –> EDITOR –> APPEARANCE –> SHOW METHOD SEPARATORS

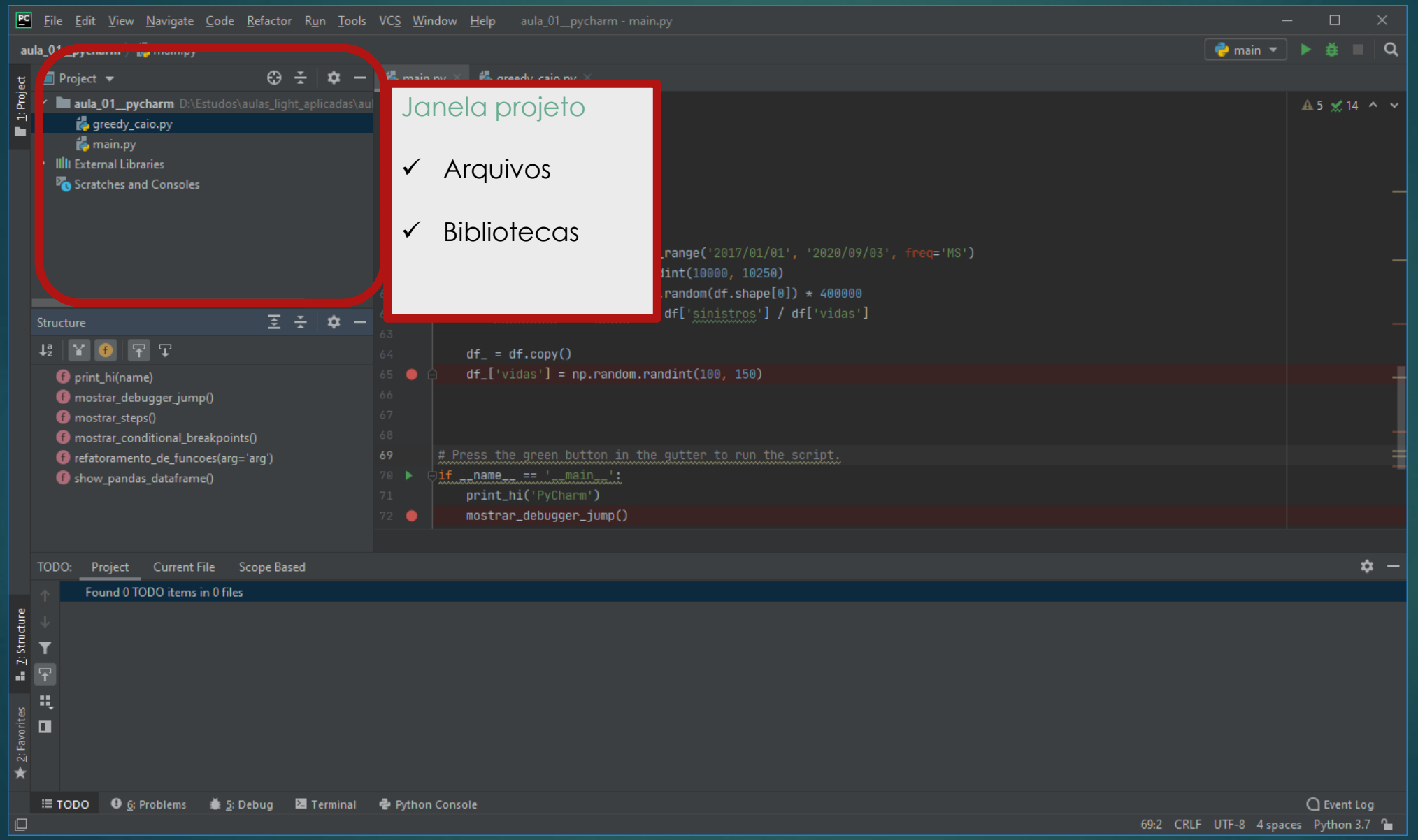
7. Janela: editor



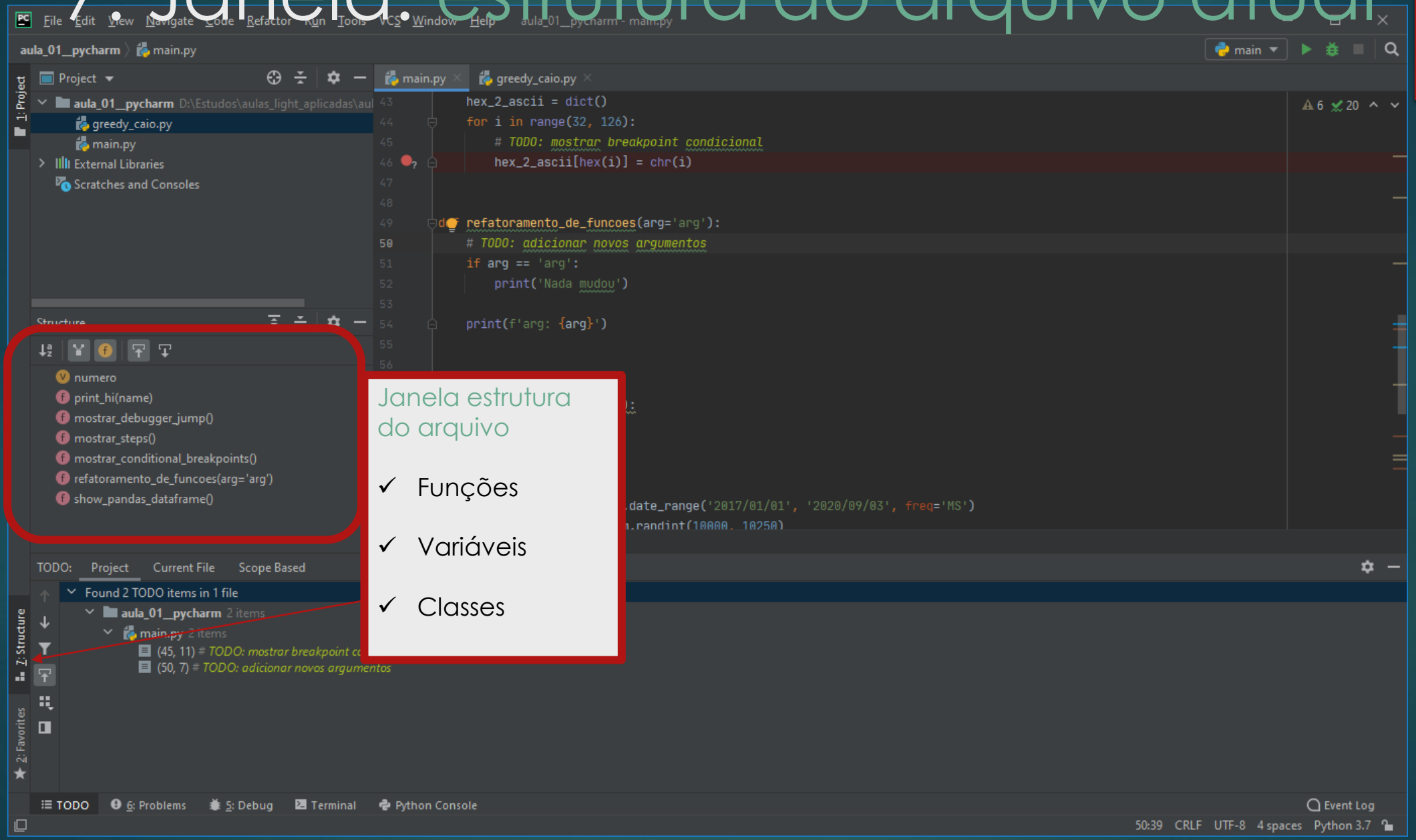
Janela de edição de código

- ✓ Arquivos organizados em abas
- ✓ Breakpoints
- ✓ Execução da função ou trecho

7. Janela: projeto



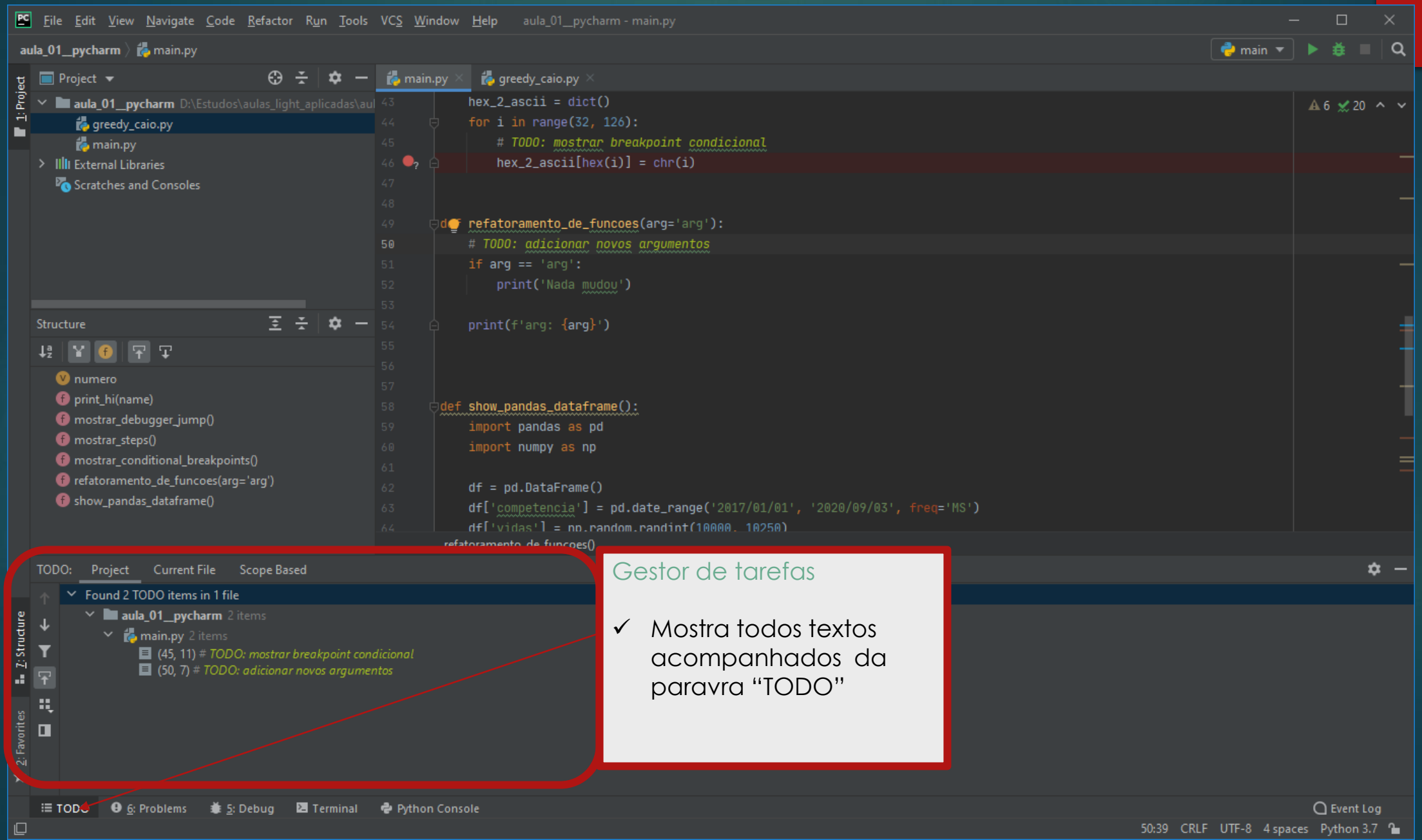
7. Janela: estrutura do arquivo atual



Janela estrutura do arquivo

- ✓ Funções
- ✓ Variáveis
- ✓ Classes

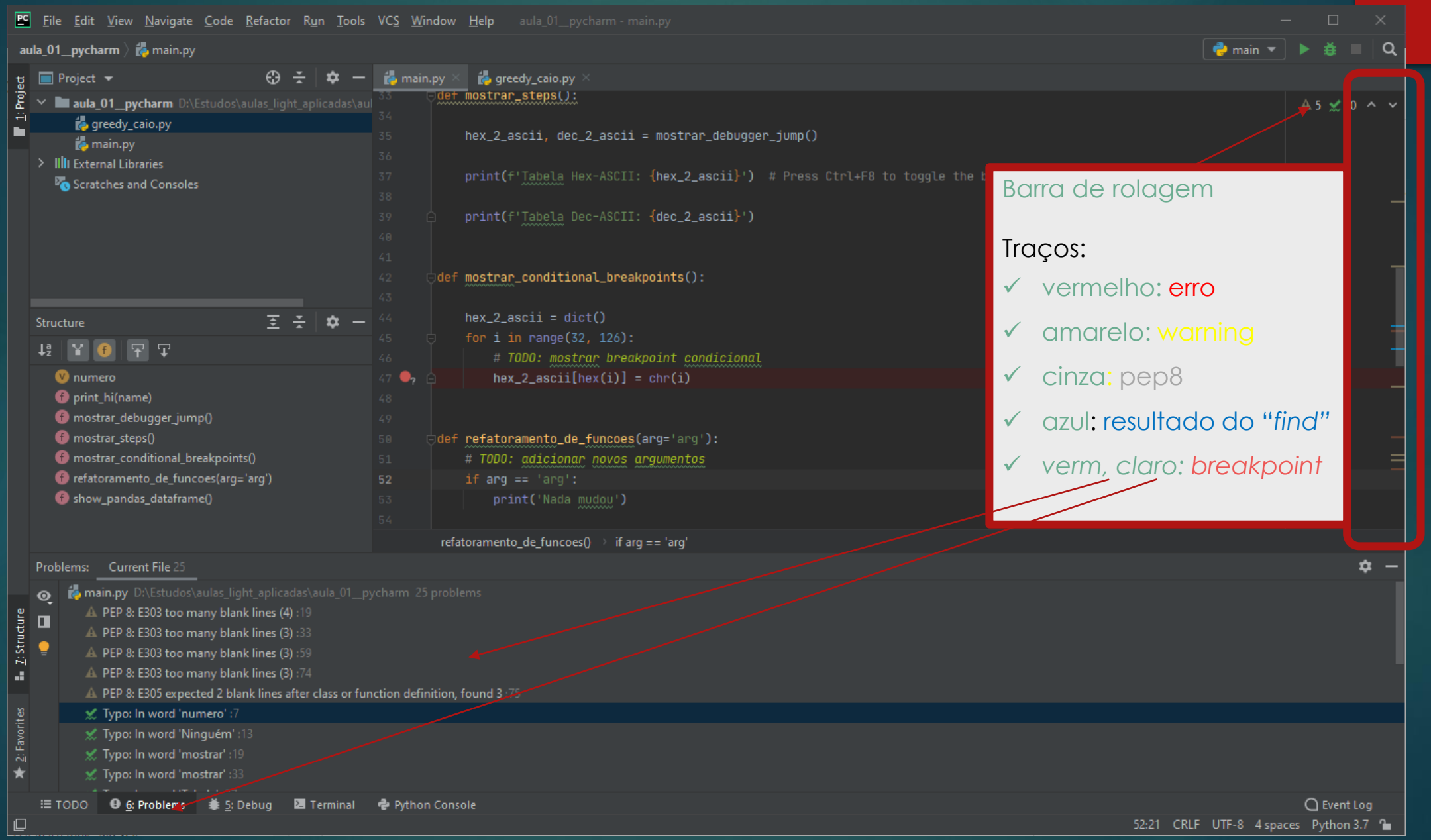
7. Janela: TODO



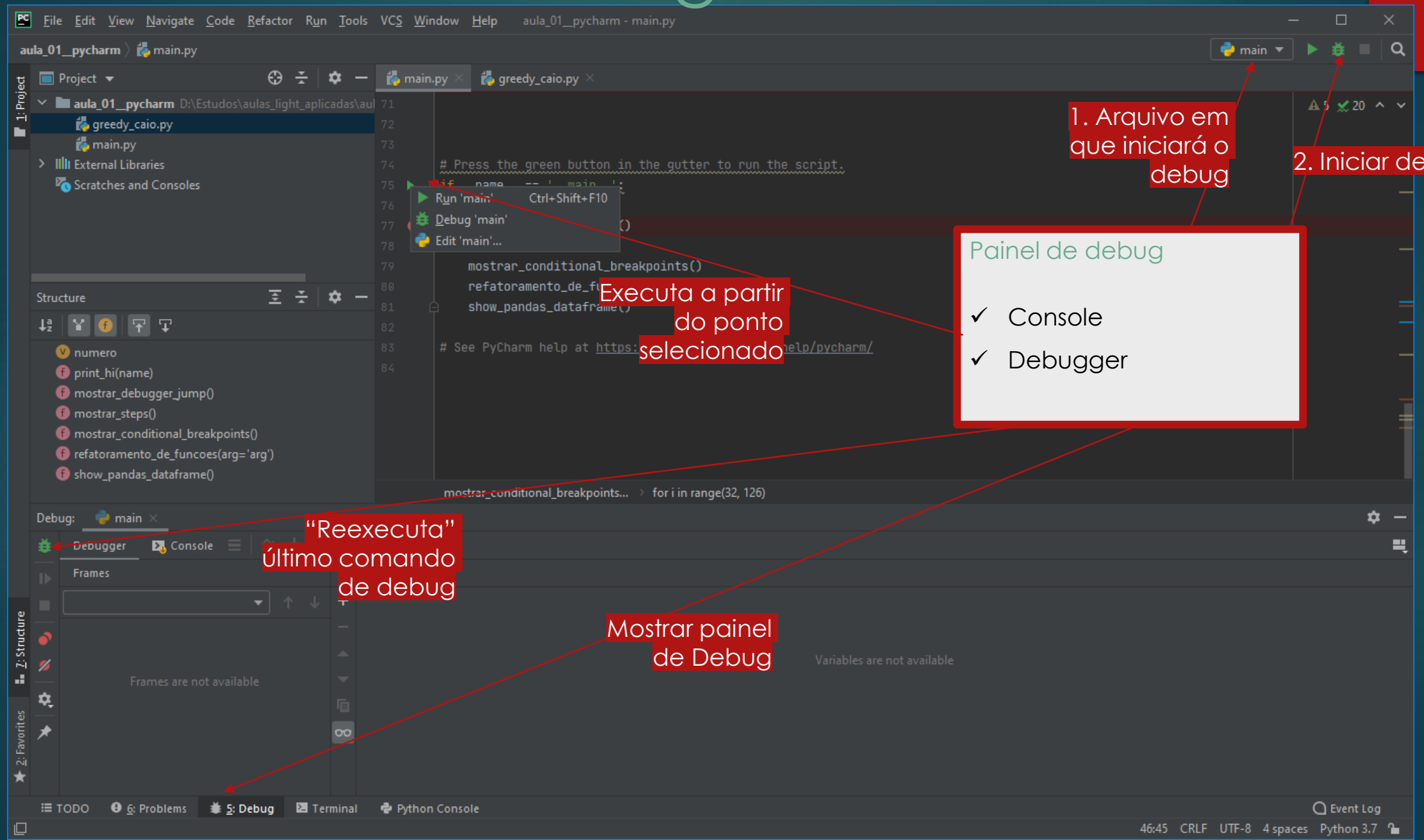
Gestor de tarefas

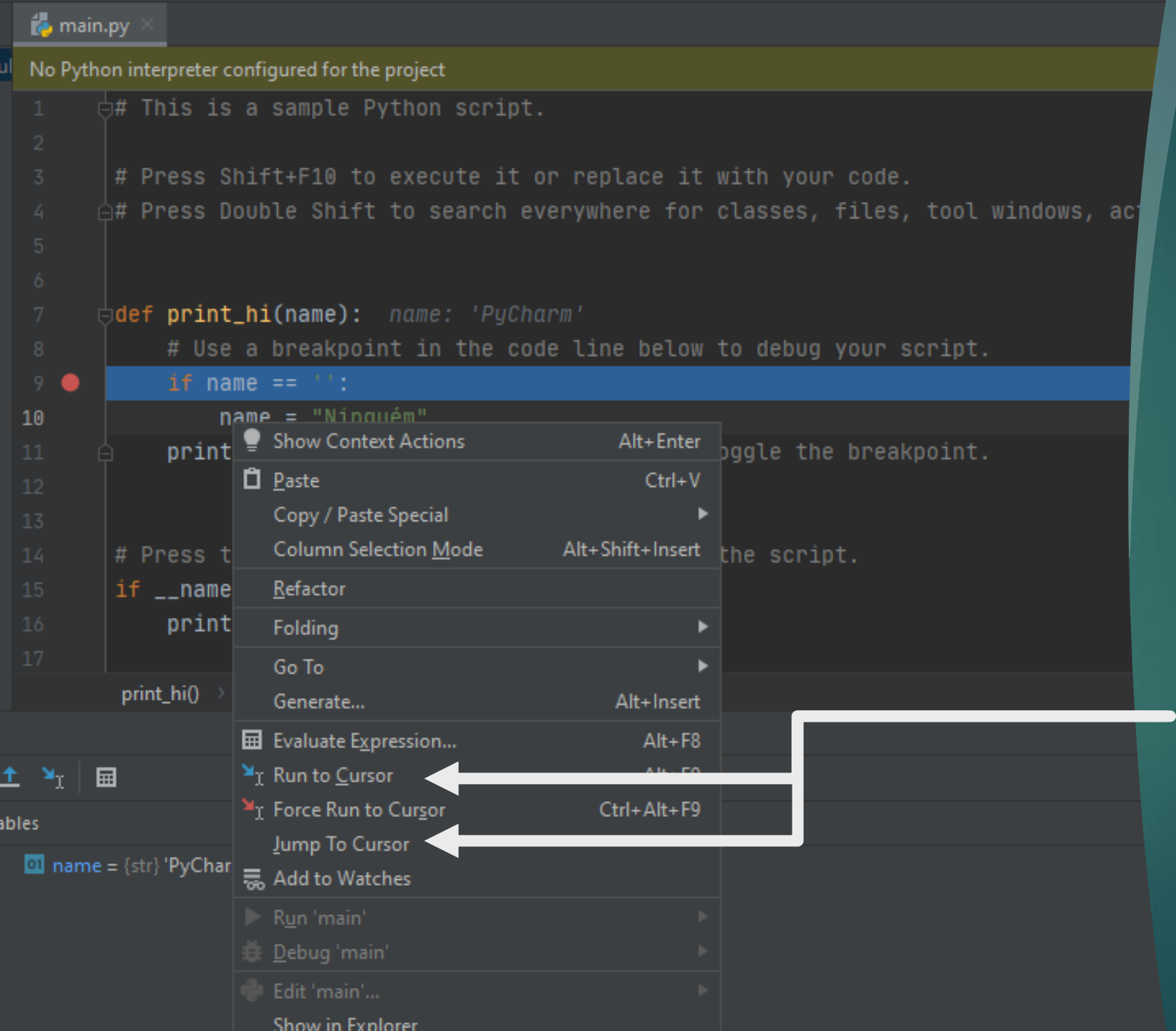
- ✓ Mostra todos textos acompanhados da paravra "TODO"

7. Janela: a barra de rolagem



7. Janela: debug

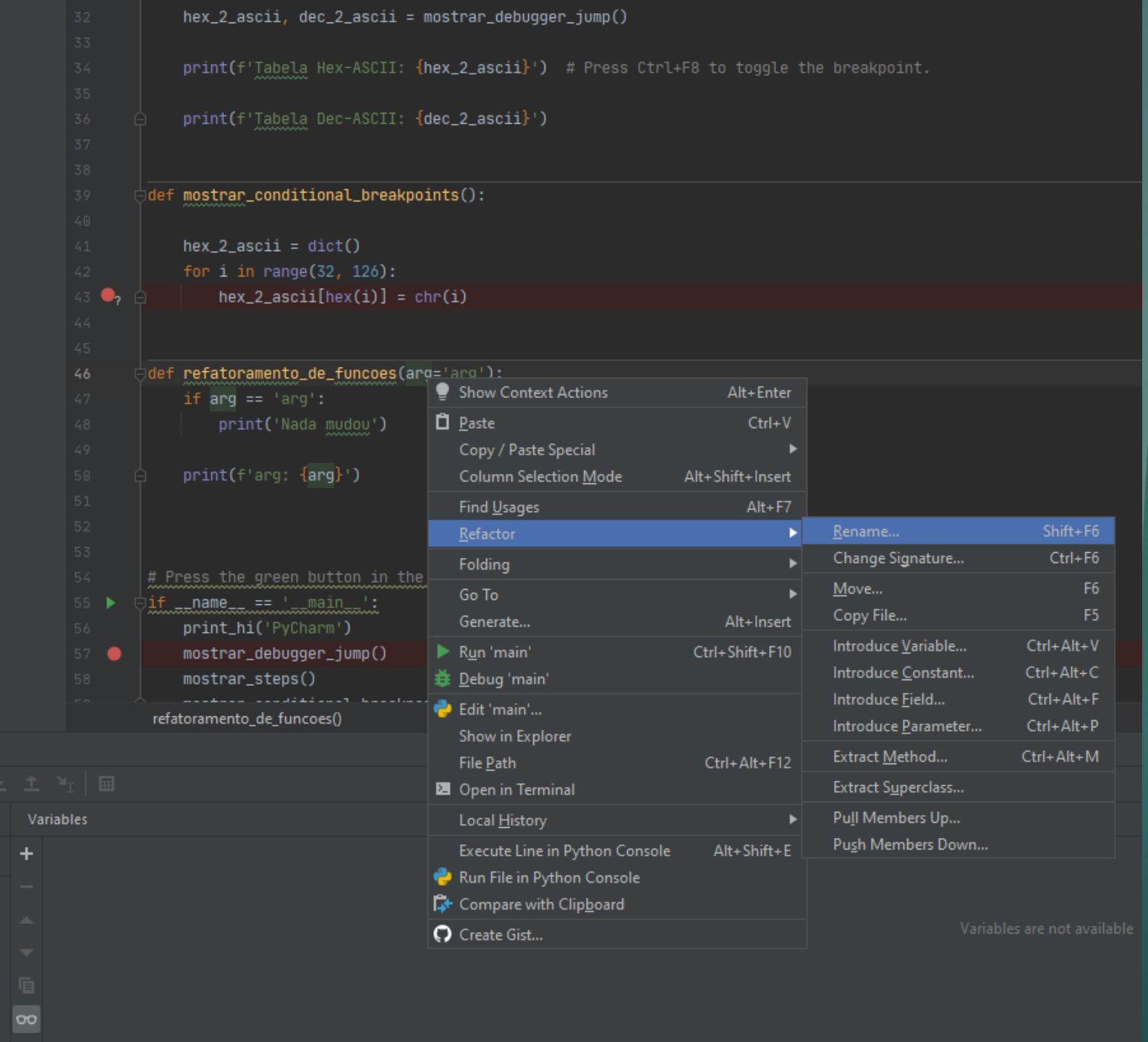




8. Por que escolhi o PyCharm?

Motivo 1:

O DEBUGGER!

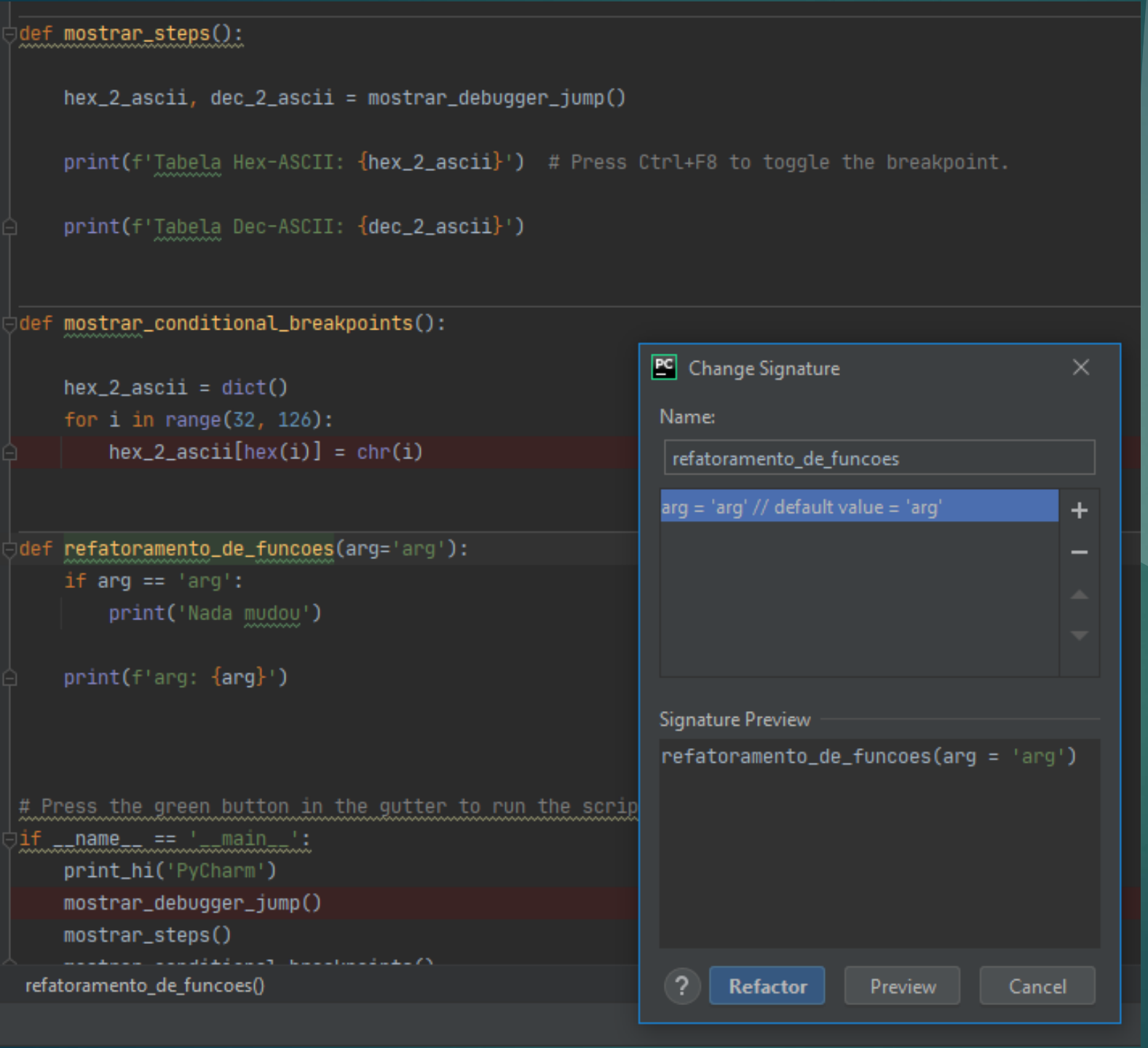


8. Por que escolhi o PyCharm?

Motivo 2:

REFATORAÇÃO:

renomear

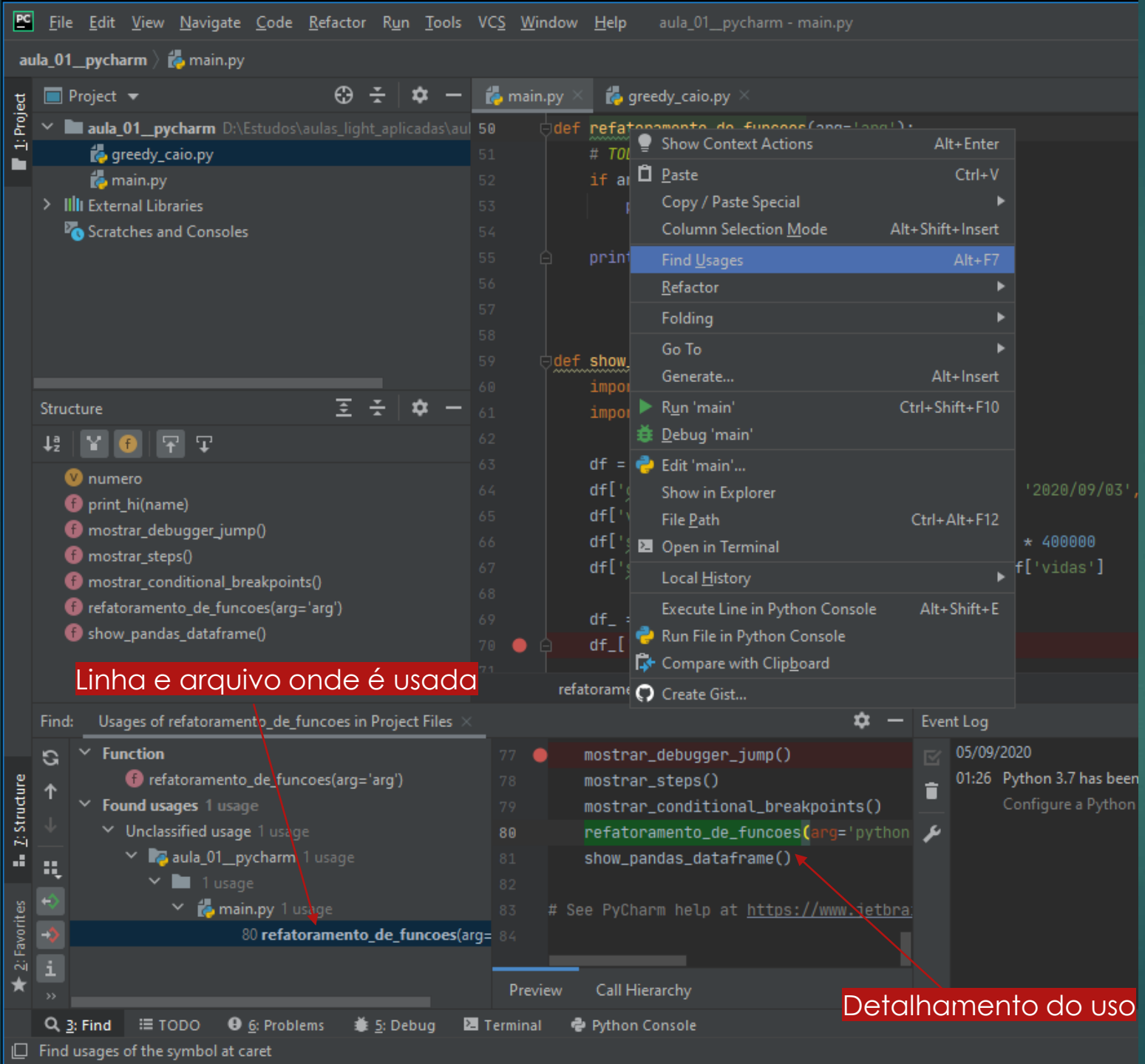


8. Por que escolhi o PyCharm?

Motivo 3:

REFATORAÇÃO:

mudança da assinatura da função/método



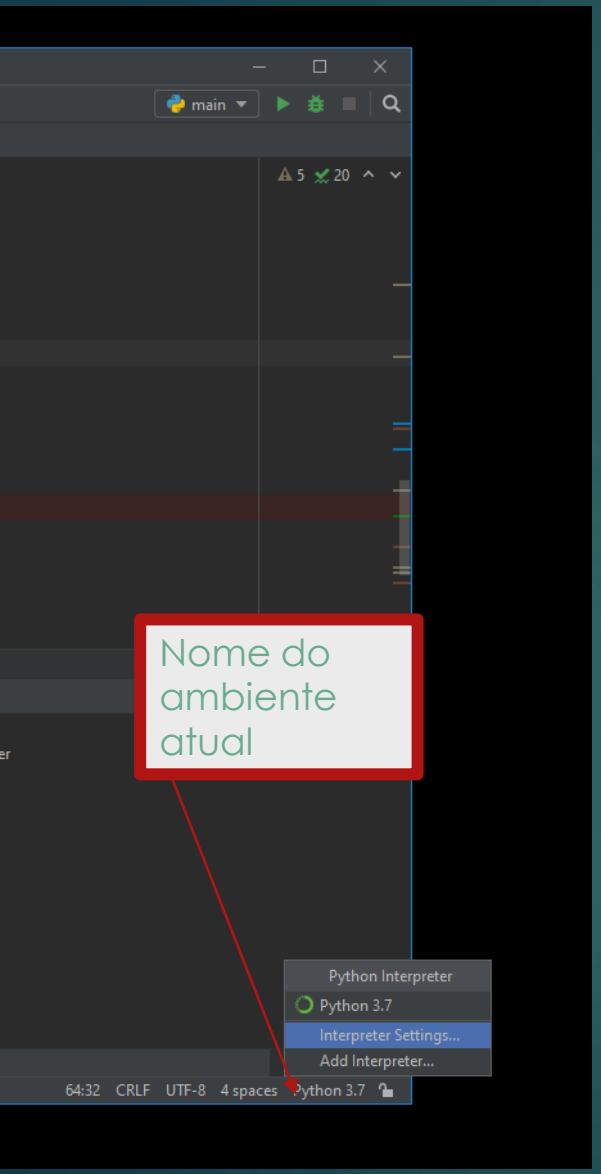
8. Por que escolhi o PyCharm?

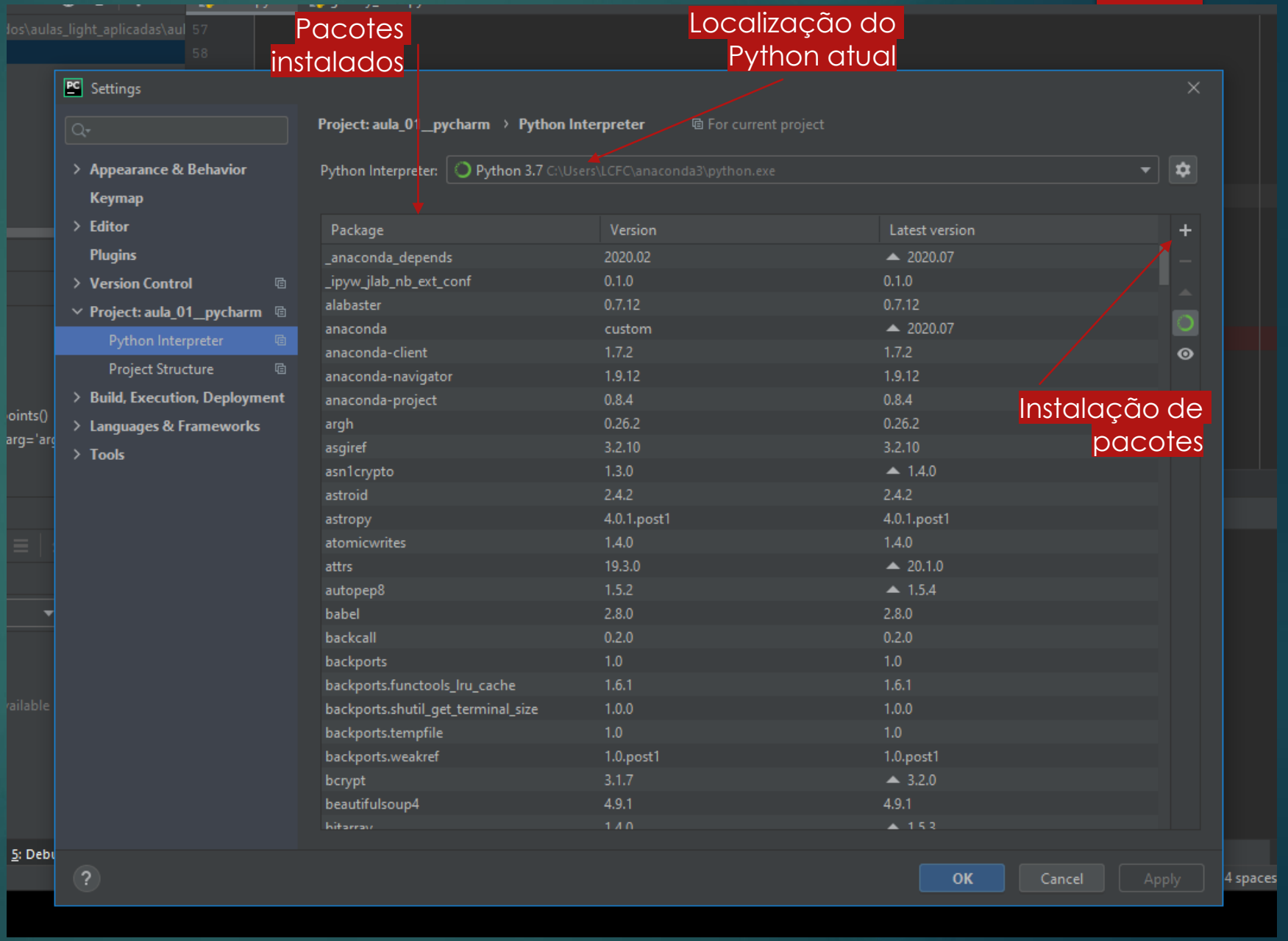
Motivo 4:

BUSCA:

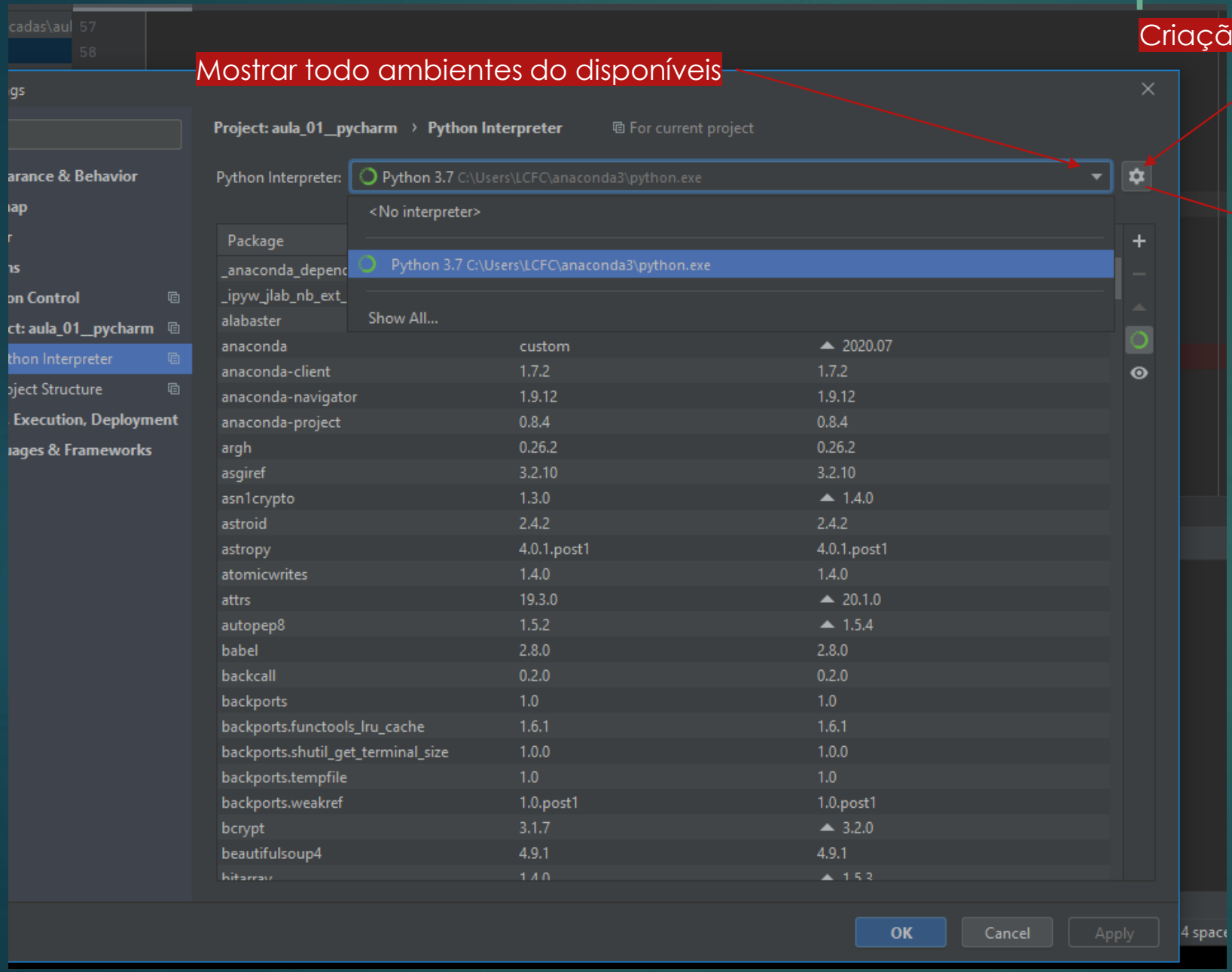
Verificar arquivos , locais e contextos que uma função/classe é usada

7. Ambientes: pacotes Python

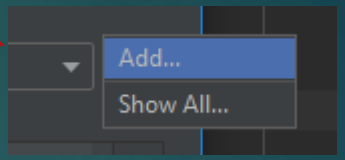




9. Ambientes: mostrar disponíveis

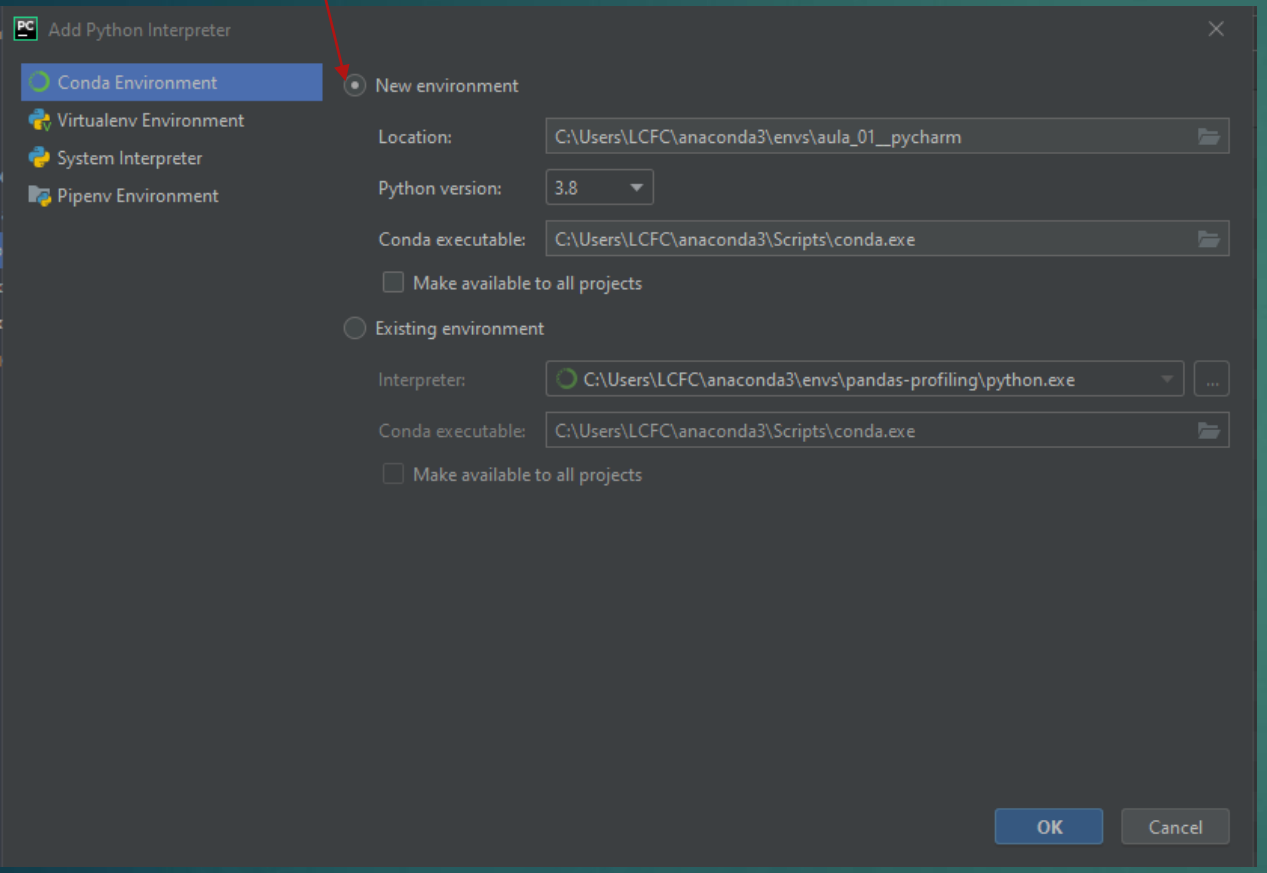


Criação de outro ambiente

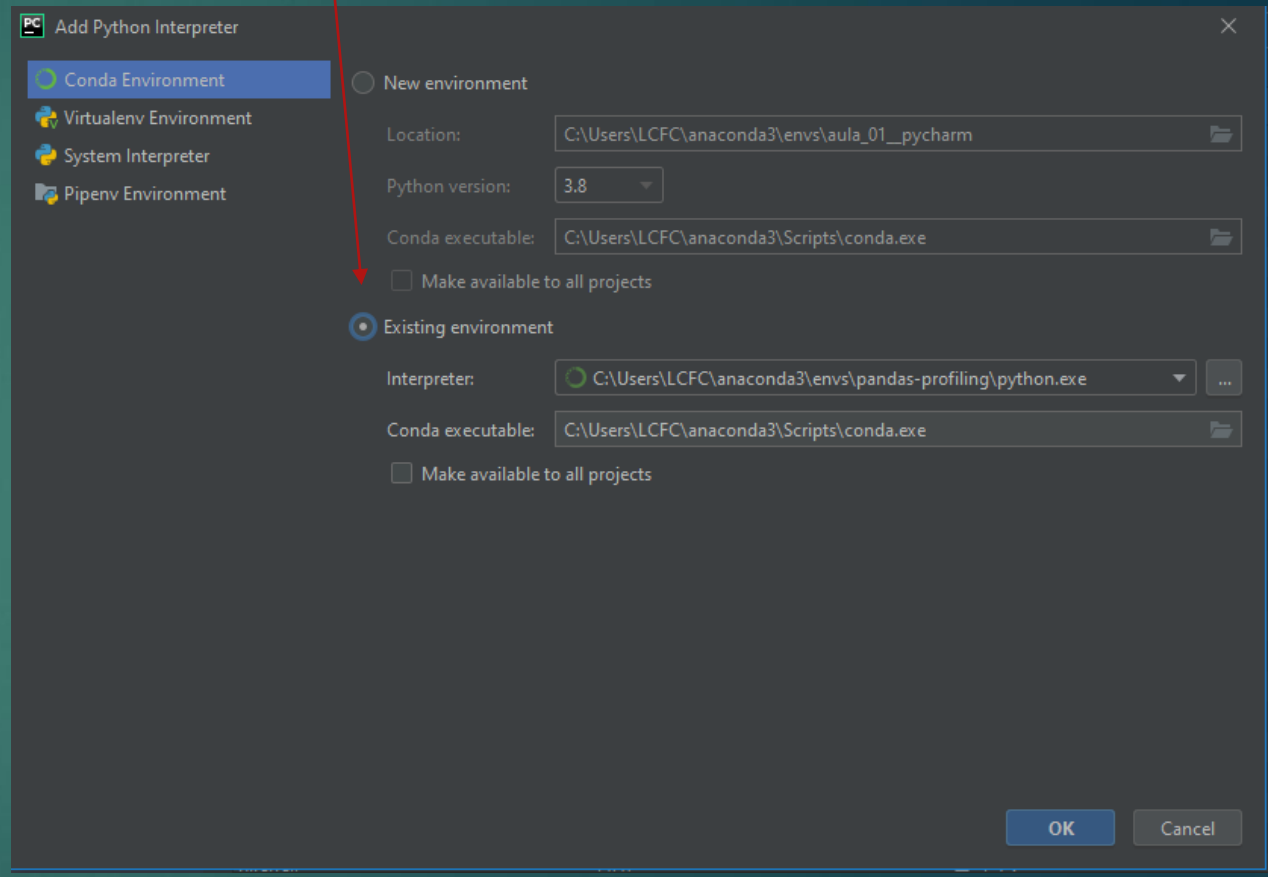


9. Ambientes: criação (conda, venv)

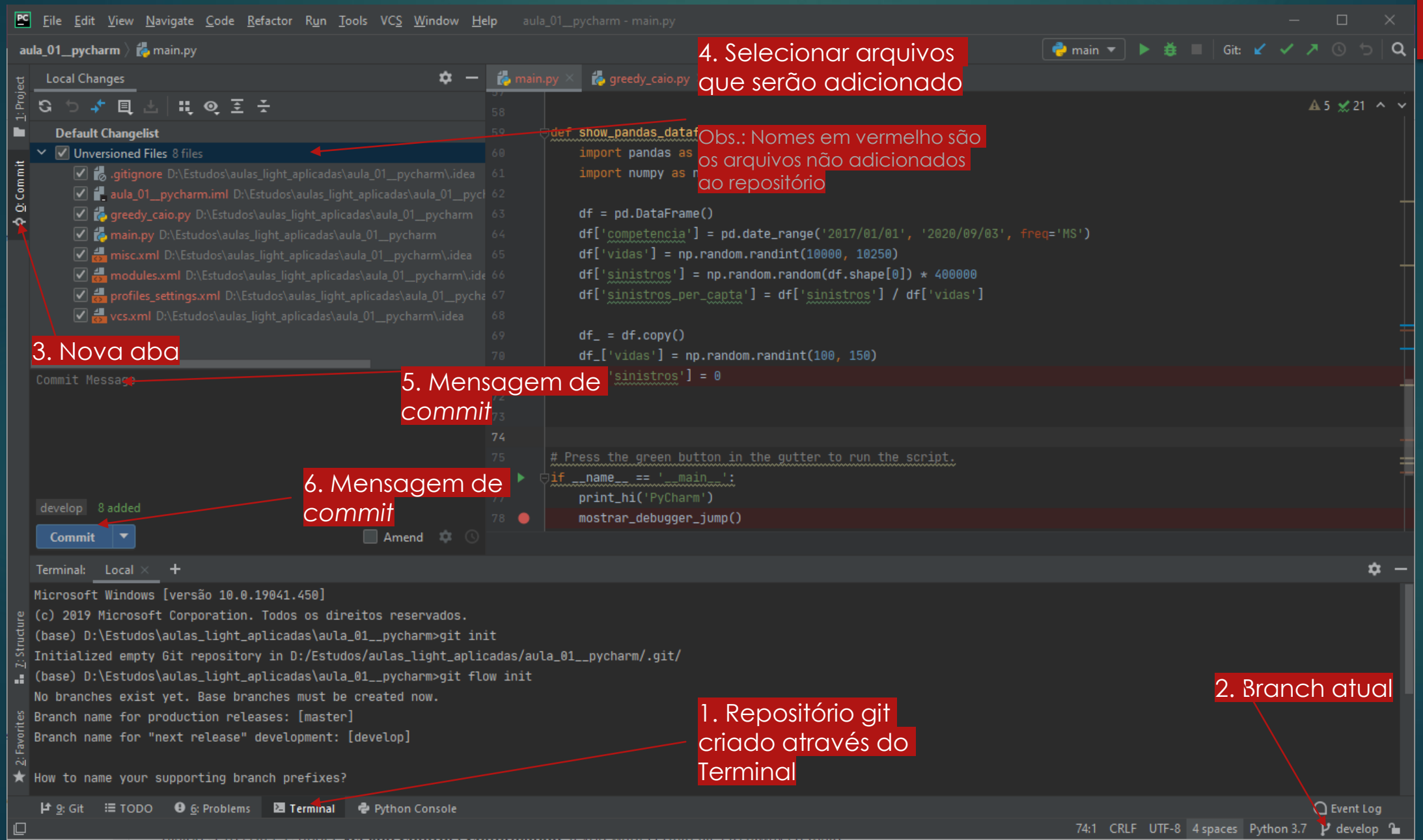
Criar novo ambiente



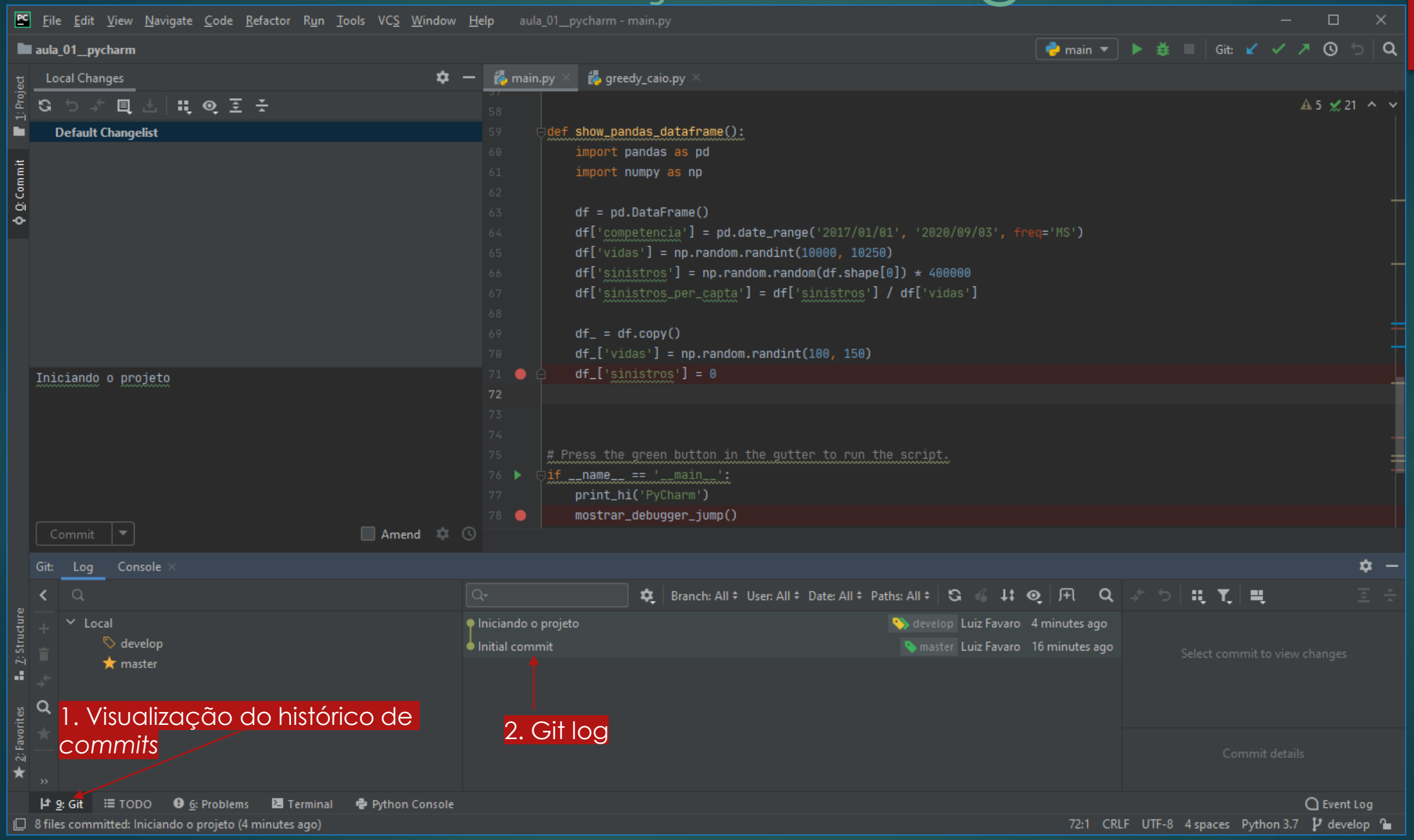
Procurar e trocar para outro ambiente já existente



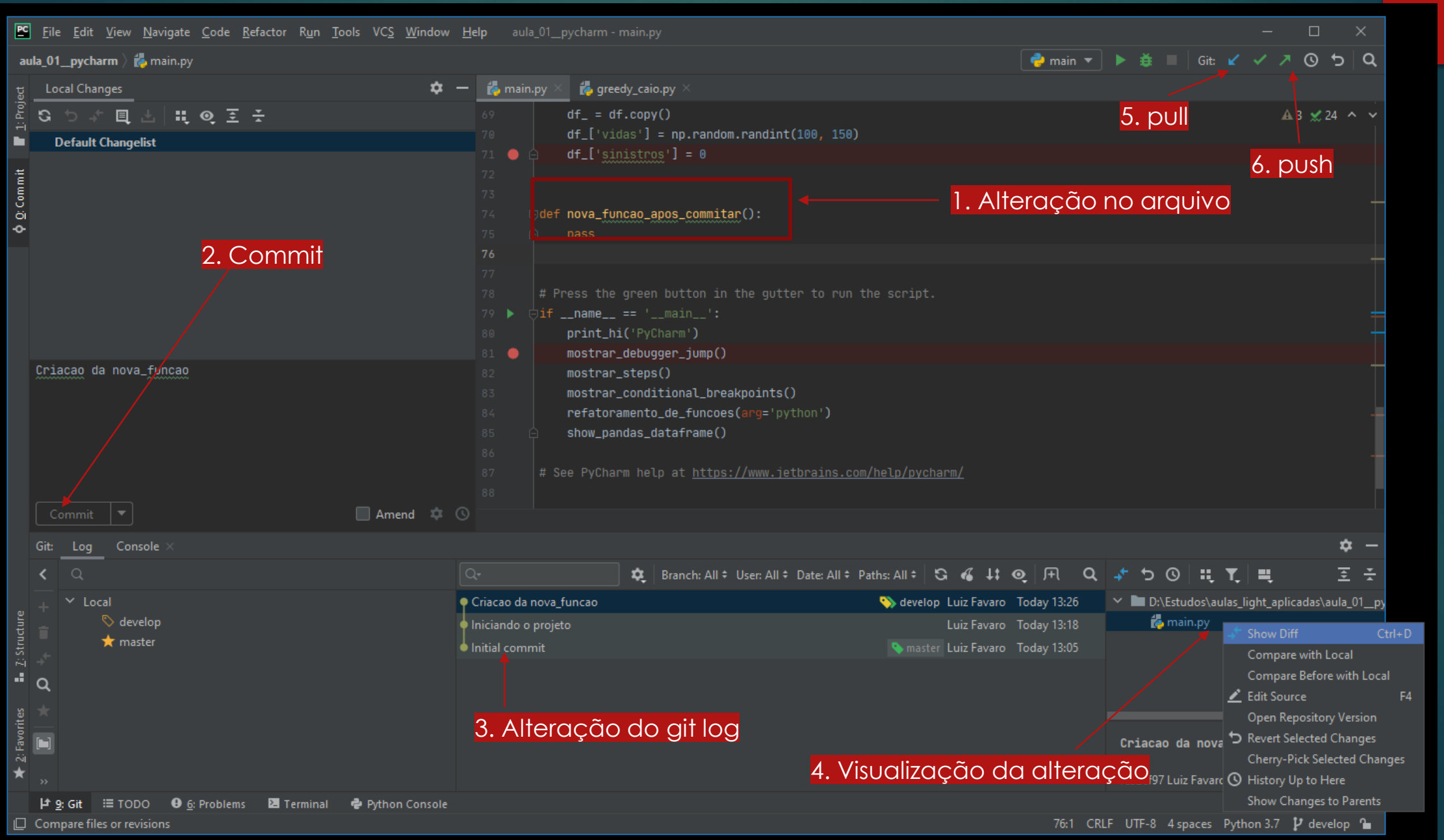
10. Git: criação do repositório local



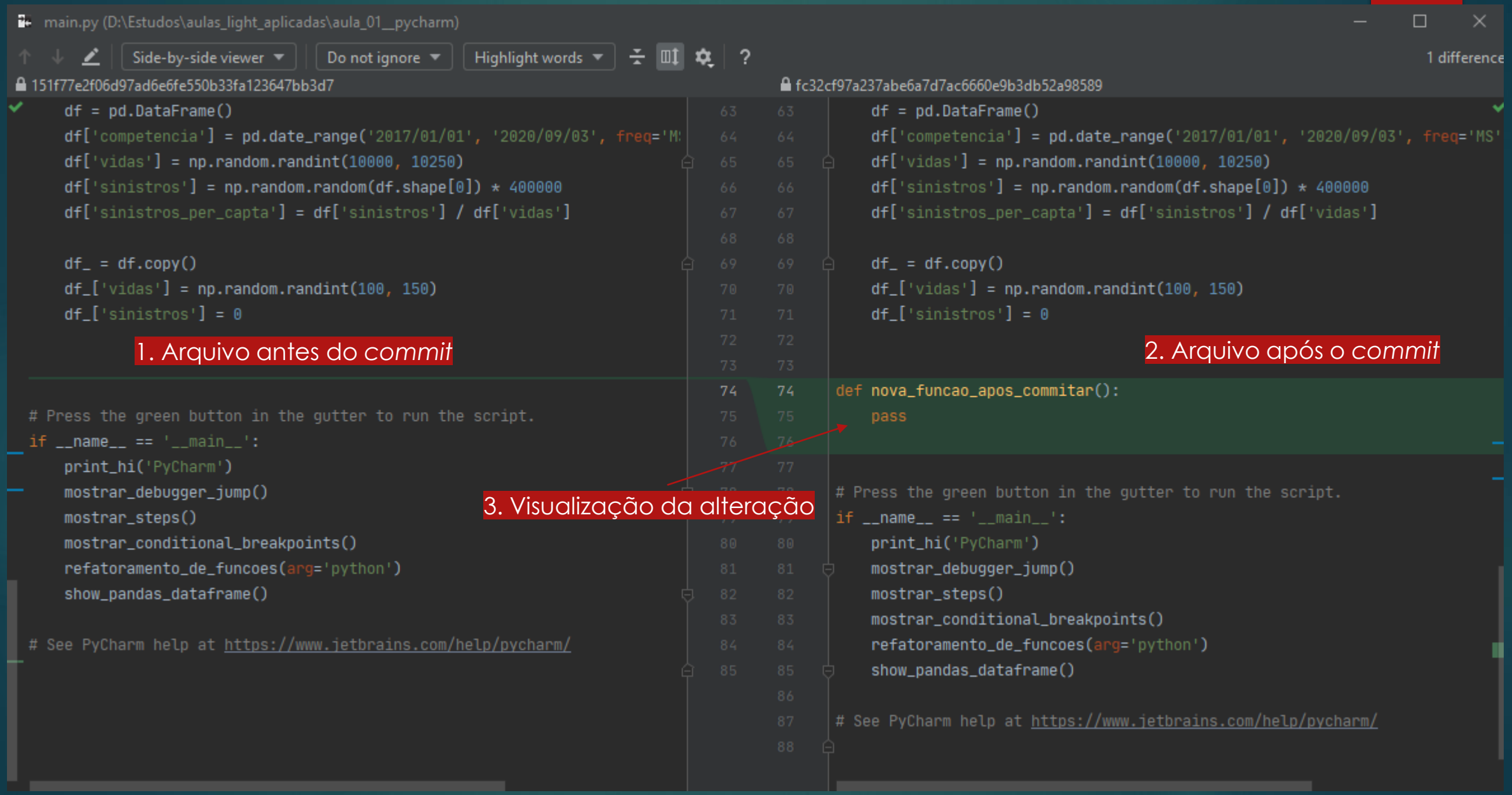
10. Git: visualização do log



10. Git: visualização da alteração do arquivo



10. Git: visualização da alteração do arquivo



11. Produtividade: Lista de atalhos de teclado

Mostrar automaticamente informações sobre os argumentos da função

PyCharm Default Keymap

Editing

Ctrl + Space	Basic code completion (the name of any class, method or variable)
Ctrl + Alt + Space	Class name completion (the name of any project class independently of current imports)
Ctrl + Shift + Enter	Complete statement
Ctrl + P	Parameter info (within method call arguments)
Ctrl + Q	Quick documentation lookup
Shift + F1	External Doc
Ctrl + mouse over code	Brief Info
Ctrl + F1	Show descriptions of error or warning at caret
Alt + Insert	Generate code...
Ctrl + O	Override methods
Ctrl + Alt + T	Surround with...
Ctrl + /	Comment/uncomment with line comment
Ctrl + Shift + /	Comment/uncomment with block comment
Ctrl + W	Select successively increasing code blocks
Ctrl + Shift + W	Decrease current selection to previous state
Ctrl + Shift +]/[	Select till code block end/start
Alt + Enter	Show intention actions and quick-fixes
Ctrl + Alt + L	Reformat code
Ctrl + Alt + O	Optimize imports
Ctrl + Alt + I	Auto-indent line(s)
Tab / Shift + Tab	Indent/unindent selected lines
Ctrl + X or Shift + Delete	Cut current line or selected block to clipboard
Ctrl + C or Ctrl + Insert	Copy current line or selected block to clipboard
Ctrl + V or Shift + Insert	Paste from clipboard
Ctrl + Shift + V	Paste from recent buffers...
Ctrl + D	Duplicate current line or selected block
Ctrl + Y	Delete line at caret
Ctrl + Shift + J	Smart line join
Ctrl + Enter	Smart line split
Shift + Enter	Start new line
Ctrl + Shift + U	Toggle case for word at caret or selected block
Ctrl + Delete	Delete to word end
Ctrl + Backspace	Delete to word start

PyCharm Default Keymap

Running

Alt + Shift + F10	Select configuration and run
Alt + Shift + F9	Select configuration and debug
Shift + F10	Run
Shift + F9	Debug
Ctrl + Shift + F10	Run context configuration from editor
Ctrl+Alt+R	Run manage.py task

Debugging

F8	Step over
F7	Step into
Shift + F8	Step out
Alt + F9	Run to cursor
Alt + F8	Evaluate expression
Ctrl + Alt + F8	Quick evaluate expression
F9	Resume program
Ctrl + F8	Toggle breakpoint
Ctrl + Shift + F8	View breakpoints

Navigation

Ctrl + N	Go to class
Ctrl + Shift + N	Go to file
Ctrl + Alt + Shift + N	Go to symbol
Alt + Right/Left	Go to next/previous editor tab
F12	Go back to previous tool window
Esc	Go to editor (from tool window)
Shift + Esc	Hide active or last active window
Ctrl + Shift + F4	Close active run/messages/find/... tab
Ctrl + G	Go to line
Ctrl + E	Recent files popup
Ctrl + Alt + Left/Right	Navigate back/forward
Ctrl + Shift + Backspace	Navigate to last edit location
Alt + F1	Select current file or symbol in any view
Ctrl + B or Ctrl + Click	Go to declaration
Ctrl + Alt + B	Go to implementation(s)
Ctrl + Shift + I	Open quick definition lookup

12. Outras Features

HTTPS://WWW.JETBRAINS.COM/PYCHARM/FEATURES/