

ACTIVIDAD 02: Python y Visual Studio Code

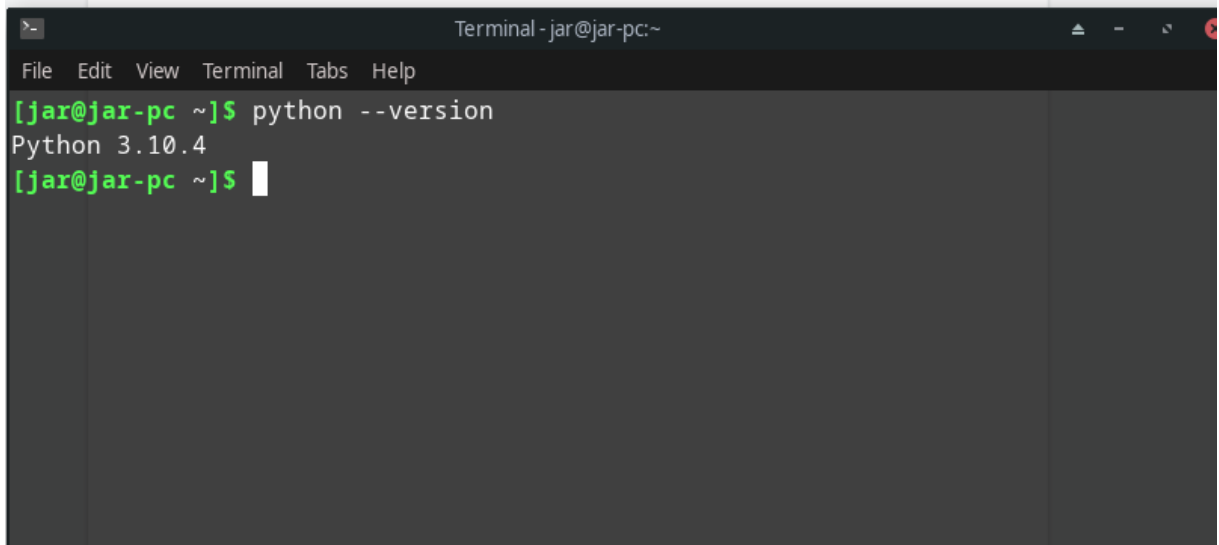
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Materia: Seminario de solucion de problemas de algoritmia

Lineamientos de evaluación

- ☐ El reporte está en formato Google Docs o PDF.
- ☐ El reporte sigue las pautas del Formato de Actividades .
- ☐ El reporte tiene desarrollada todas las pautas del Formato de Actividades.
- ☐ Se muestra captura de pantalla de la versión de Python instalada desde el símbolo de sistema (o terminal, command prompt, consola, etc).
- ☐ Se muestra la captura de pantalla de la ejecución del script de Python desde Visual Studio Code.

ya tenia instalado python 3.10.4



```
Terminal - jar@jar-pc:~  
File Edit View Terminal Tabs Help  
[jar@jar-pc ~]$ python --version  
Python 3.10.4  
[jar@jar-pc ~]$
```

anadi la extension python en visual studio code



extensión agregada

The screenshot shows the Visual Studio Code interface with the Extensions Marketplace open. The search bar contains 'python'. The left sidebar lists various Python-related extensions, including 'Python', 'Python for VS Code', 'Python language extension', 'Python Extension Pack', 'Python Indent', 'autoDocstrin...', 'Python Envi...', 'Python Pre...', 'Python Exte...', 'Python Path', 'AREPL for py...', 'Python-auto...', 'Python Tes...', and 'python snip...'. The main panel displays the details for the 'Python' extension by Microsoft, version v2022.14.0. It includes a description, support for `vscode.dev`, installed extensions, a quick start guide, and setup instructions. The status bar at the bottom indicates the Python interpreter is set to 'Python 3.8.2 64-bit'.

Python v2022.14.0
Microsoft | 65,199,333 | ★★★★★ (506)
IntelliSense (Pylance), Linting, Debugging (multi-threaded, remote), Jupyter Notebooks, code formatting, refa...

Python extension for Visual Studio Code

A Visual Studio Code extension with rich support for the Python language (for all actively supported versions of the language: >=3.7), including features such as IntelliSense (Pylance), linting, debugging, code navigation, code formatting, refactoring, variable explorer, test explorer, and more!

Support for `vscode.dev`

The Python extension does offer some support when running on `vscode.dev` (which includes `github.dev`). This includes partial IntelliSense for open files in the editor.

Installed extensions

The Python extension will automatically install the `Pylance` and `Jupyter` extensions to give you the best experience when working with Python files and Jupyter notebooks. However, `Pylance` is an optional dependency, meaning the Python extension will remain fully functional if it fails to be installed. You can also `uninstall` it at the expense of some features if you're using a different language server.

Extensions installed through the marketplace are subject to the [Marketplace Terms of Use](#).

Quick start

- Step 1. Install a supported version of Python on your system (note: that the system install of Python on macOS is not supported).
- Step 2. Install the Python extension for Visual Studio Code.
- Step 3. Open or create a Python file and start coding!

Set up your environment

- Select your Python interpreter by clicking on the status bar

Categories

- Programming Languages
- Linters
- Debuggers
- Formatters
- Data Science
- Machine Learning
- Notebooks

Extension Resources

- Marketplace
- Repository
- License
- Microsoft

More Info

Released on 19/1/2016 09:03:11
Last updated 20/8/2022 05:17:06
Identifier ms-python.python

creación de script

The screenshot shows a Visual Studio Code editor with a file named 'hola.py' open. The script contains a single line of code: `print("hola mundo")`. The bottom panel shows the output of the script, which is 'hola mundo'. The status bar at the bottom indicates the Python interpreter is set to 'Python 3.8.2 64-bit'.

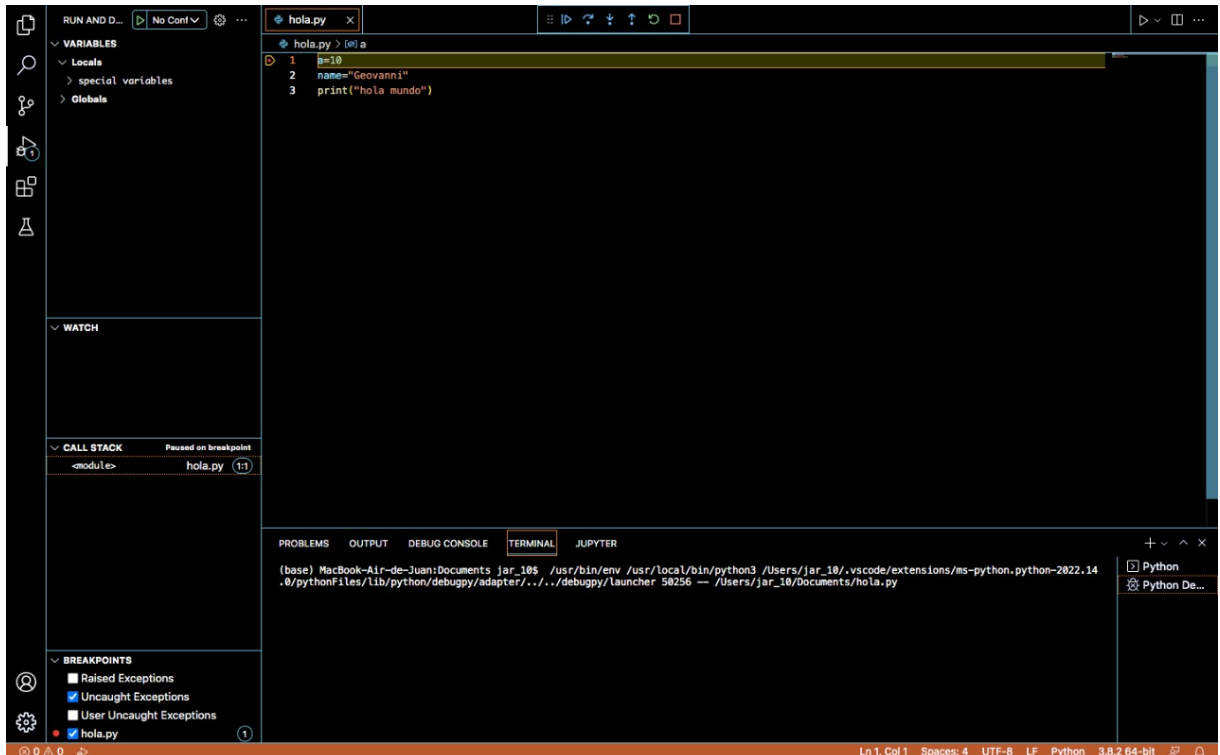
```
hola.py
1 print("hola mundo")
```

PROBLEMS **OUTPUT** **DEBUG CONSOLE** **TERMINAL** **JUPYTER**

```
/usr/local/bin/python3 Untitled-1
(base) MacBook-Air-de-Juan:Documents jar_10$ /usr/local/bin/python3 Untitled-1
/usr/local/bin/python3: can't open file 'Untitled-1': [Errno 2] No such file or directory
(base) MacBook-Air-de-Juan:Documents jar_10$ /usr/local/bin/python3 /Users/jar_10/Documents/hola.py
hola mundo
(base) MacBook-Air-de-Juan:Documents jar_10$
```

Ln 1, Col 1 Spaces: 4 UTF-8 LF Python 3.8.2 64-bit

Agregue break point, y luego corré todo el programa



Conclusión: en esta actividad se hizo la instalación de python además de que se agregó la extensión a visual studio code para así poder trabajar en este editor. Corrimos un pequeño script para ver que todo funcionara correctamente.

Referencias:

undefined [MICHEL DAVALOS BOITES]. (2020, 7 septiembre). *Importar script de Python en Visual Studio Code* [Video]. YouTube. Recuperado 21 de septiembre de 2022, de

<https://www.youtube.com/watch?v=zyULBiwALxE&t=164s>

undefined [MICHEL DAVALOS BOITES]. (2020a, septiembre 4). *Instalación de Python en Windows 10* [Video]. YouTube. Recuperado 21 de septiembre de 2022, de <https://www.youtube.com/watch?v=q-06r8CLYGU&t=3s>

Download Python. (s. f.). Python.org. Recuperado 21 de septiembre de 2022, de <https://www.python.org/downloads/>