COFFEE MACHINE

PROGRAM

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Python

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# EXECUTIVE SUMMARY

In this project, using Python I simulate a vending coffee machine that works with AU$ coins. The user can select a drink, pay the price and receive the change. The owner can access to the ingredients, and the money statistics. Finally, he can turn off the machine. When there are not enough resources or the money inserted is not enough a message will be displayed.

# PYTHON INSTALLATION

To start with the program, we will need to install the latest version of Python. If you already have it installed skip this part.

1. To do this put your cursor on the link at the [appendix section](#_APPENDIX), use Ctrl + right click to follow the link and download the latest version on your computer.

A screenshot of a computer

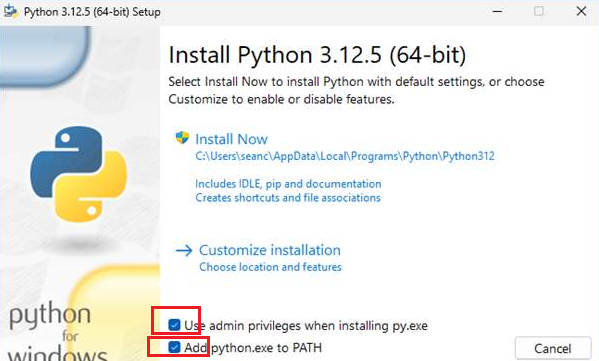
Description automatically generated

1. Chose the version for your operating system.

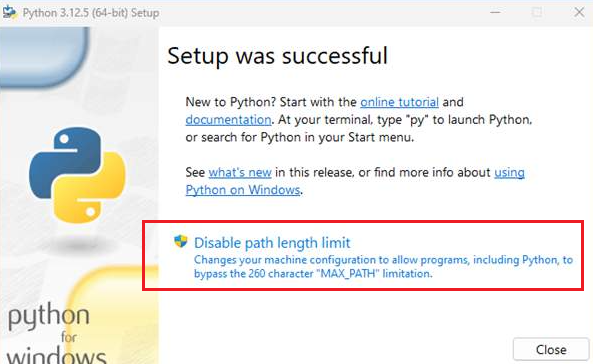
A screenshot of a computer

Description automatically generated

1. Once downloaded, run through the installation process. From the install screen, check theadd python.exe to PATH. This means that running Python can be done from anywhere on your system. Once completed, click on close.



1. From here, click on Disable Path length limit.



1. Once completed, you will see the following:

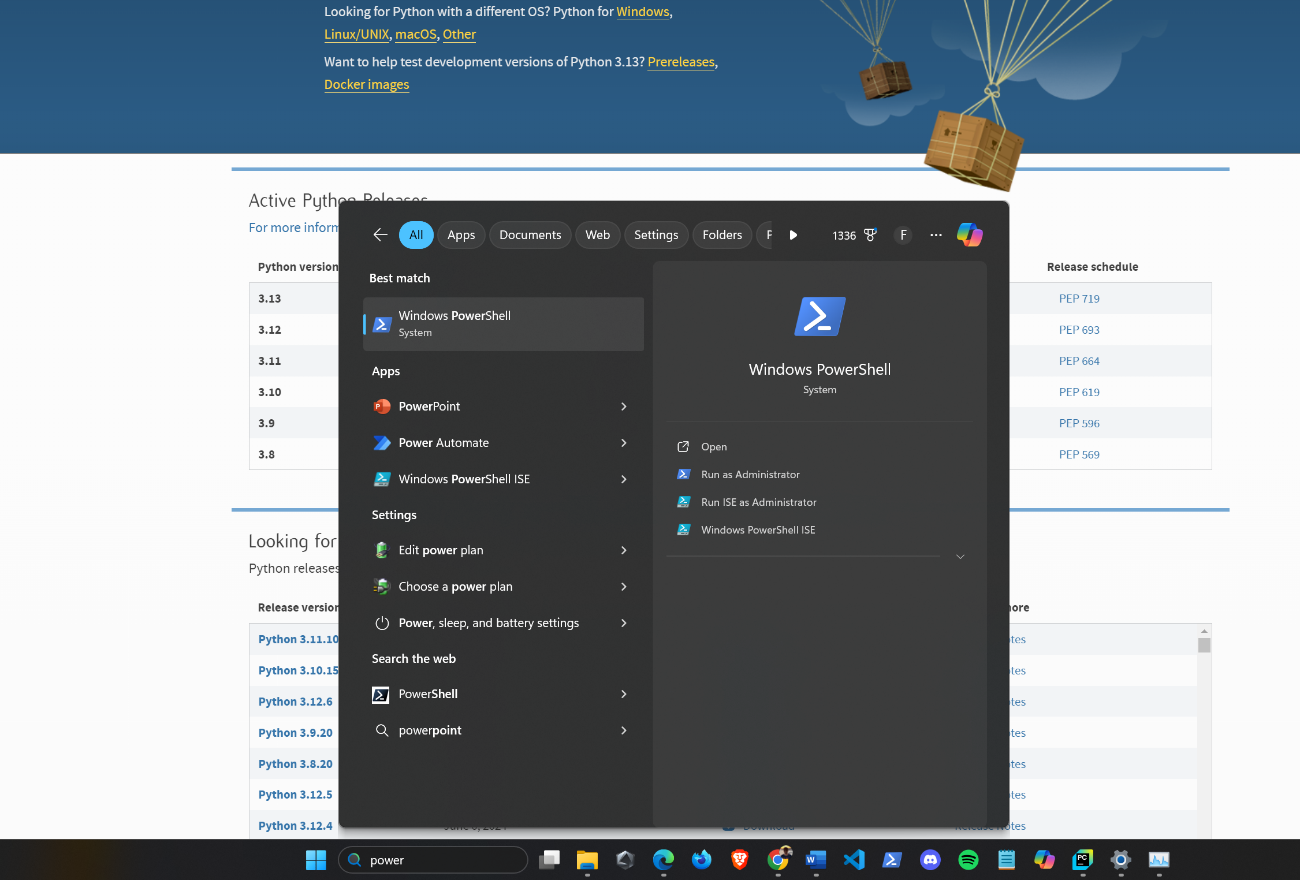
A yellow figure with text

Description automatically generated with medium confidence

# EXECUTE THE PROGRAM

Assuming python is already installed in your system, you need to do left click on the downloaded file, chose Extract All from the ZIP file and follow these steps:

1. Open PowerShell. If you don’t find it you can type ‘’PowerShell’ on the search bar on you task bar.



1. Once you have opened the PowerShell, search for the downloaded folder in your system by typing cd followed by quotes ‘ ’ . Inside the quotes start with .\ next type the path where you have allocated the file and press Enter on your keyboard. For most of the cases the folder will be in **Downloads** which command is:

cd ‘ .\Downloads\ Coffee\_Machine\_Program’

*Suggestion: To automatically fill the path, type the first letters of each folder or file name and press the TAB key until you find the one you are seeking.*

in my case I have it in this path :

C:\Users\felip\Desktop\Python Projects\Coffee\_Machine\_Program

A screenshot of a computer program

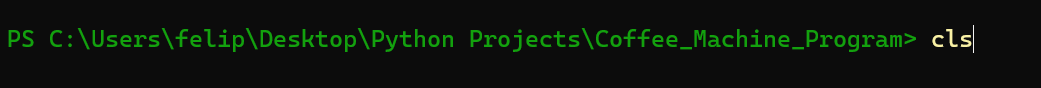
Description automatically generated

1. Check that all the files exist inside this folder by typing the ls command.

A screenshot of a computer program

Description automatically generated

*Suggestion: Type the cls command to clear the screen each time you think is necessary.*

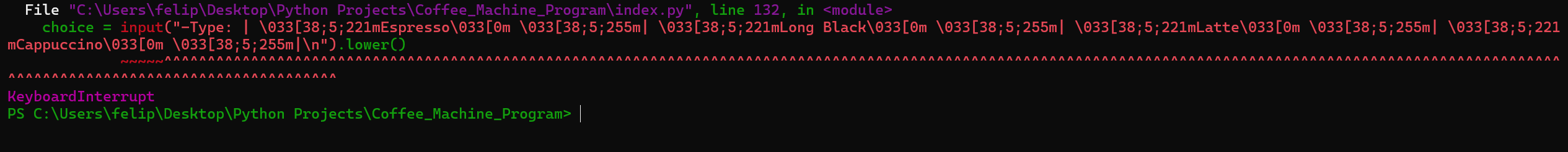
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1. Finally execute the command py ./index.py to execute program.

A screenshot of a computer

Description automatically generated

1. To exit the program the use Ctrl + c

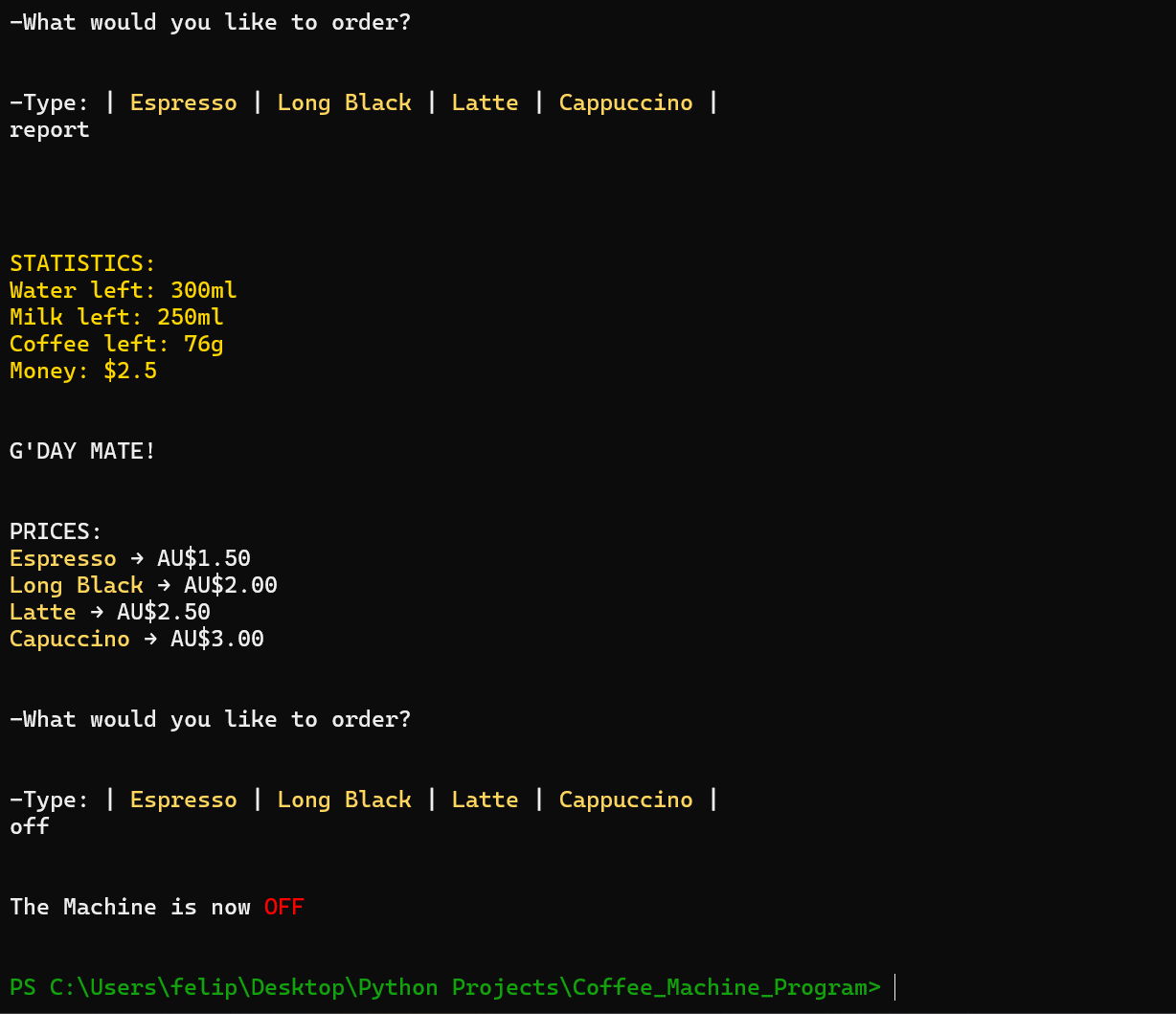


1. To start type the drink you would like to have and the coins you are inserting.

A screenshot of a computer

Description automatically generated

1. By typing “report” we can access the statistics of the machine while typing “off” it will turn off the machine.



# APPENDIX

* <https://www.python.org/>