Ram Installation Guide

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This is a summary of how to use the Ram programming language on MacOS and Windows. The Python script can simply be run with a virtual environment satisfying requirements.txt.

1 Using MacOS

Python Console

• You can write a new .ram file in any text editor. We even defined custom syntax highlighting for *.ram files in PyCharm!

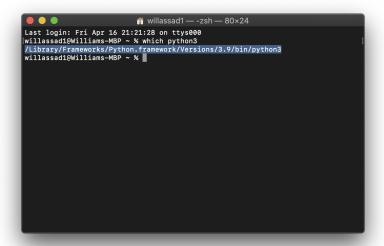
- Run main.py
- You will be prompted to enter the file path of the .ram file to run.

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Terminal

• Open Terminal and type which python or which python3 (depending on the version installed).



• Copy the result and then open main.py and paste the result after the !#.

```
## Granty

| Property | C | T | C | Grants | Grants with beauty | Grants |
```

• Navigate to the main ram program directory (wherever stored).

```
■ ram — -zsh — 80×24

Last login: Fri Apr 16 20:38:23 on ttys000
[willassadd@williams-MBP ~ % cd documents/GitHub/ram
willassad1@williams-MBP ram % ■
```

• Now run the command python install.py or python3 install.py (depending on version used).

```
Tam — -zsh — 80×24

Last login: Fri Apr 16 20:38:23 on ttys000

[willassad1@Williams-MBP ~ % cd documents/GitHub/ram
[willassad1@Williams-MBP ram % python3 install.py

| Installing Ram
| Developed By Will Assad
| Zain Lakhani, Ariel Chouminov, Ramya Chawla
| In: /usr/local/bin/ram: File exists
| willassad1@Williams-MBP ram %
```

• You can now write a new .ram file in any text editor. We even defined custom syntax highlighting for *.ram files in PyCharm!

• Then run the file using the command ram <filepath>.ram or simply ram.

```
■ samples — -zsh — 80×26

Last login: Fri Apr 16 21:21:54 on ttys000

[willassad1@williams-MBP ~ % cd documents/GitHub/ram/samples |
[willassad1@williams-MBP samples % ram example.ram |
253.0 |
246 |
247 |
248 |
249 |
249 |
250 |
250 |
250 |
251 |
252 |
252 |
253 |
253 |
253 |
254 |
254 |
255 |
The variable is: |
250.0 |
HOLY |
willassad1@williams-MBP samples % ■
```

2 Using Windows

Note: only python console is supported in Windows.

Python Console

• You can write a new .ram file in any text editor. We even defined custom syntax highlighting for *.ram files in PyCharm!

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### Control (Bernington)

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```

- Run main.py
- You will be prompted to enter the file path of the .ram file to run.

3 Technical Notes

- Strings must be defined with double quotes, not single quotes.
- Return statements, if any, must be the last line in a function.
- There cannot be spaces when calling functions (i.e. f[x=40,y=some_variable]).
- The ending curly brace of a loop, function, or if statement must be the only item in the line.