

## VIREX SETUP {#SETUP-ON-LINUX}

1. Clone this repo
2. Build the project (requires **sudo**)
3. Run VIREX

??? info "bash commands"

```
```bash
linenums="1" hl_lines="1 5 8"
# 1. CLONING
git clone https://github.com/Soham-Metha/virex.git
cd virex/

# 2. BUILD (sudo)
./install.sh

# 3. RUN VIREX (in the sample programs DIR)
cd ./examples/SASM/
virex
```
```

??? question "UI doesn't render properly"

If the **TUI** doesn't render properly, try adjusting your **terminal font size**.

If that doesn't help, you can tweak layout values in **src/VM/vm\_tui.c::CreateWindows()**. The constants used are defined as **percentages** of the screen dimensions.

P.S. **kitty terminal** config, and font used, are available in `/tools``

## Execute Sample Programs {#EXECUTION-ON-LINUX}

1. **Setup and Execute Virex (In the Sample Programs DIR)**
2. Select **"Assemble and Execute the Simulated Assembly Code"**

!!! note

 use **Arrow keys** for navigation in menu.

3. Enter the file names (Ex. `helloWorld.sasm` and `helloWorld.sm`)

4. Choose 2. ( 1 for executing in step mode )

## Activate the syntax highlighter in VS Code {#HIGHLIGHT-ON-LINUX}


0. Open VS Code

1. Press `Ctrl + Shift + P`

2. Type: `Preferences: Color Theme`

3. Select: `Palenight+sasm`

!!! Example

 Open any `.sasm`` file in vs code to see the syntax highlighter at work!

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