

VIREX SETUP {#SETUP-ON-LINUX}

??? 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
```
```

1. **Clone this repo**

2. **Build the project (requires `sudo`)**

3. **Run 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.

- Select "**SASM build and exec**" by pressing 'a'
- Enter the output filename (`tmp.sm`)

1. Activate the syntax highlighter in VS Code

- Open VS Code
- Press `Ctrl + Shift + P`
- Type: `Preferences: Color Theme`
- Select: `Palenight+sasm`

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