

## 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 **"Run SASM/ORIN command with custom flags"**

- Enter the following command:


```
-i helloWorld.sasm -I ./ -o tmp.sm
```

 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!

---