

## 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!

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