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.

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!