

YOSYS

\$ sudo apt-get update

\$ git clone https://github.com/YosysHQ/yosys.git

\$ cd yosys

```
kiit@Tanush:~$ cd yosys
kiit@Tanush:~/yosys$ yosys
```

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yosys -- Yosys Open SYnthesis Suite
```

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Copyright (C) 2012 - 2020 Claire Xenia Wolf <claire@yosyshq.com>
```

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Yosys 0.33 (git sha1 2584903a060)
```

IVerilog

\$ sudo apt-get update

\$ sudo apt-get install iverilog

```
kiit@Tanush:~$ iverilog -V
Icarus Verilog version 12.0 (stable) ()
```

```
Copyright (c) 2000-2021 Stephen Williams (steve@icarus.com)
```

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51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
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Gtkwave

```
$ sudo apt update
```

```
$ sudo apt install gtkwave
```

```
-M, --nomenus      do not render menubar (for making applets)
-S, --script=FILE  specify Tcl command script file for execution
-T, --tcl_init=FILE specify Tcl command script file to be loaded on startup
-W, --wish         enable Tcl command line on stdio
-R, --repscript=FILE specify timer-driven Tcl command script file
-D, --repperiod=VALUE specify retranscript period in msec (default: 500)

Report bugs to <bybell@rocketmail.com>.
kiit@Tanush:~$ gtkwave

GTKWave Analyzer v3.3.116 (w)1999-2023 BSI
GTKWAVE | Use the -h, --help command line flags to display help.
```

