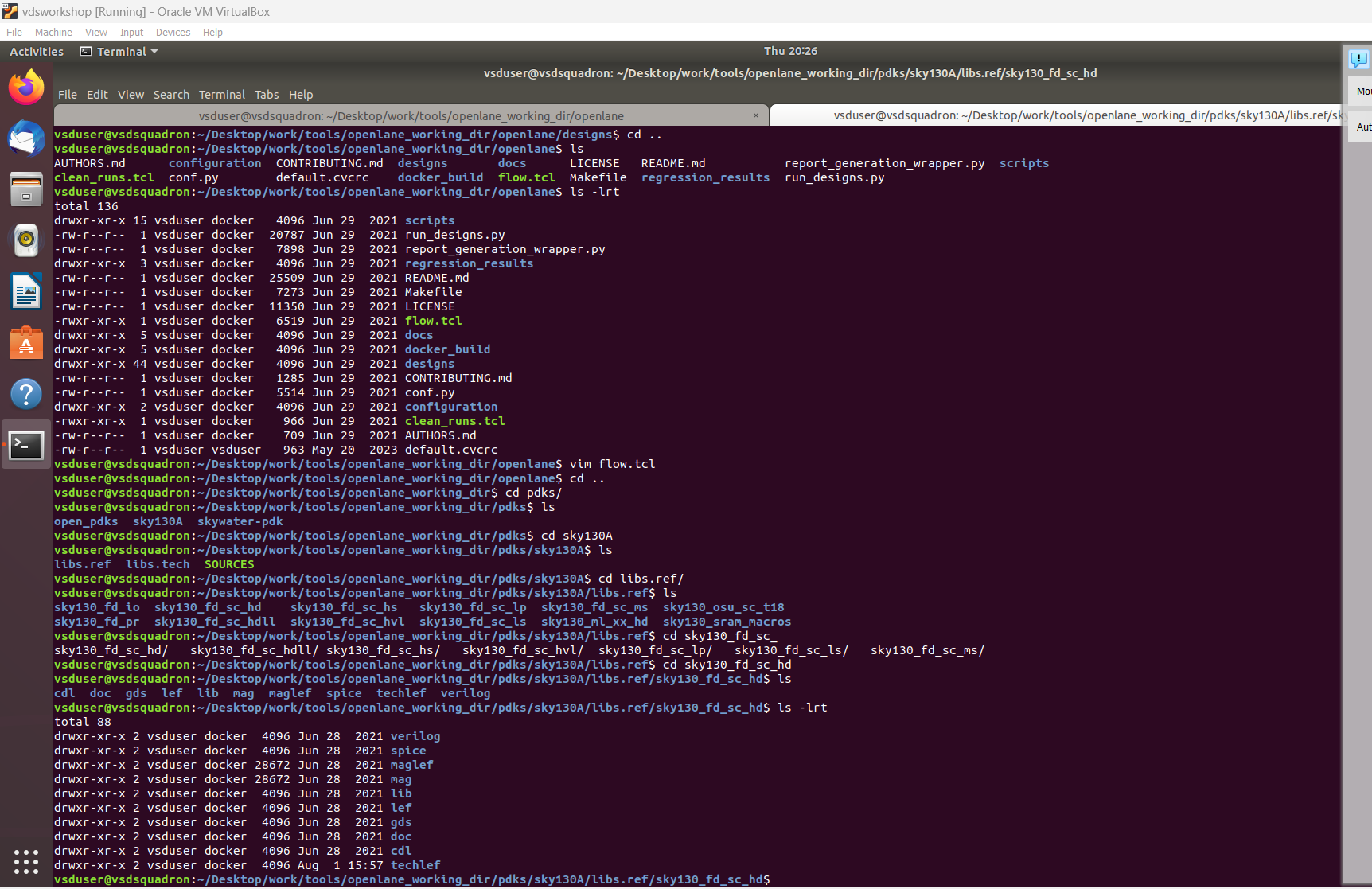
**Flop ratio = 1613/14876 = 10.84% (visit: Item number 16)**

1. Opened the flow.tcl in vim



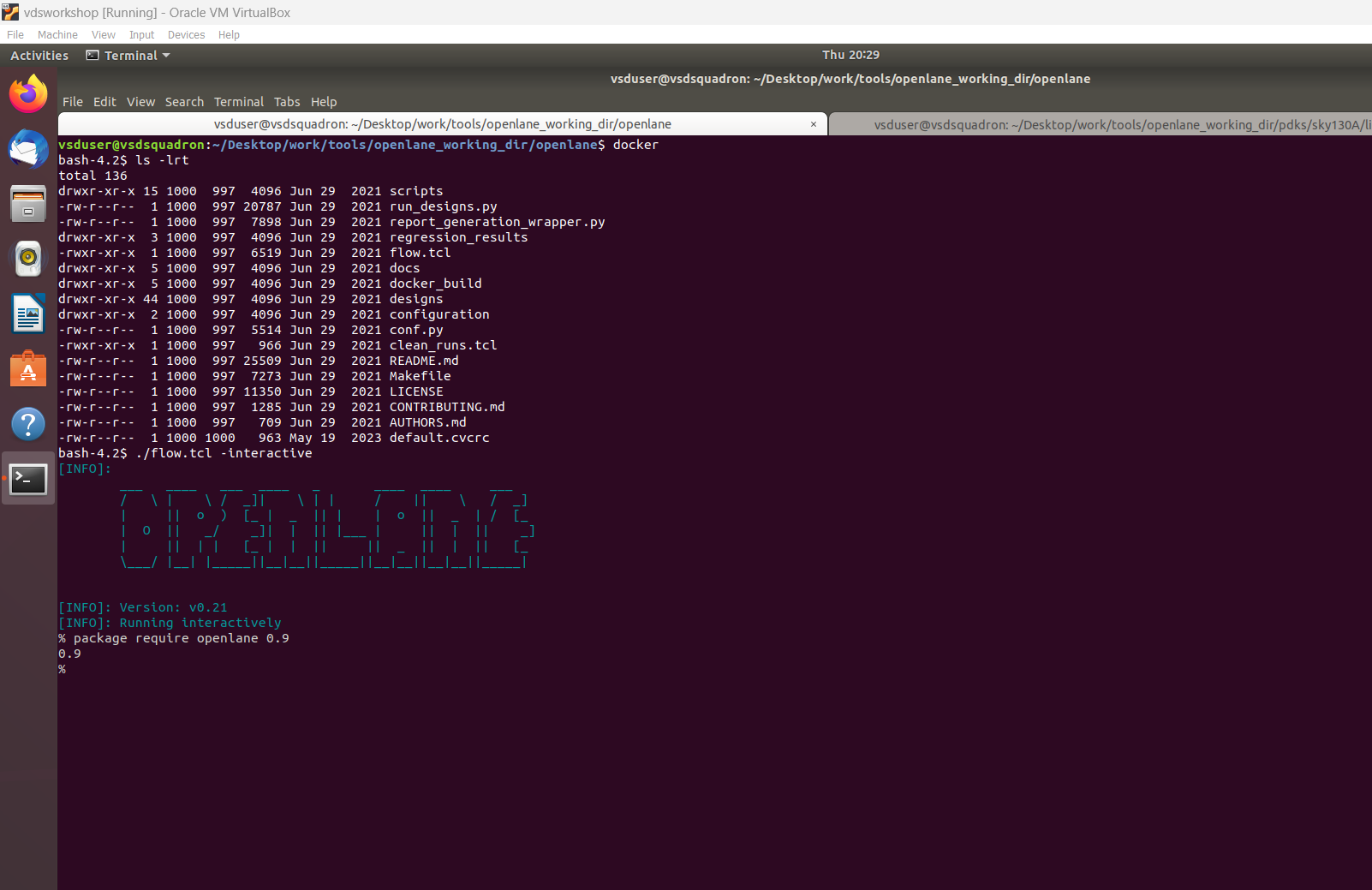
1. Opened the working folder & opened the tech file & checked in vim



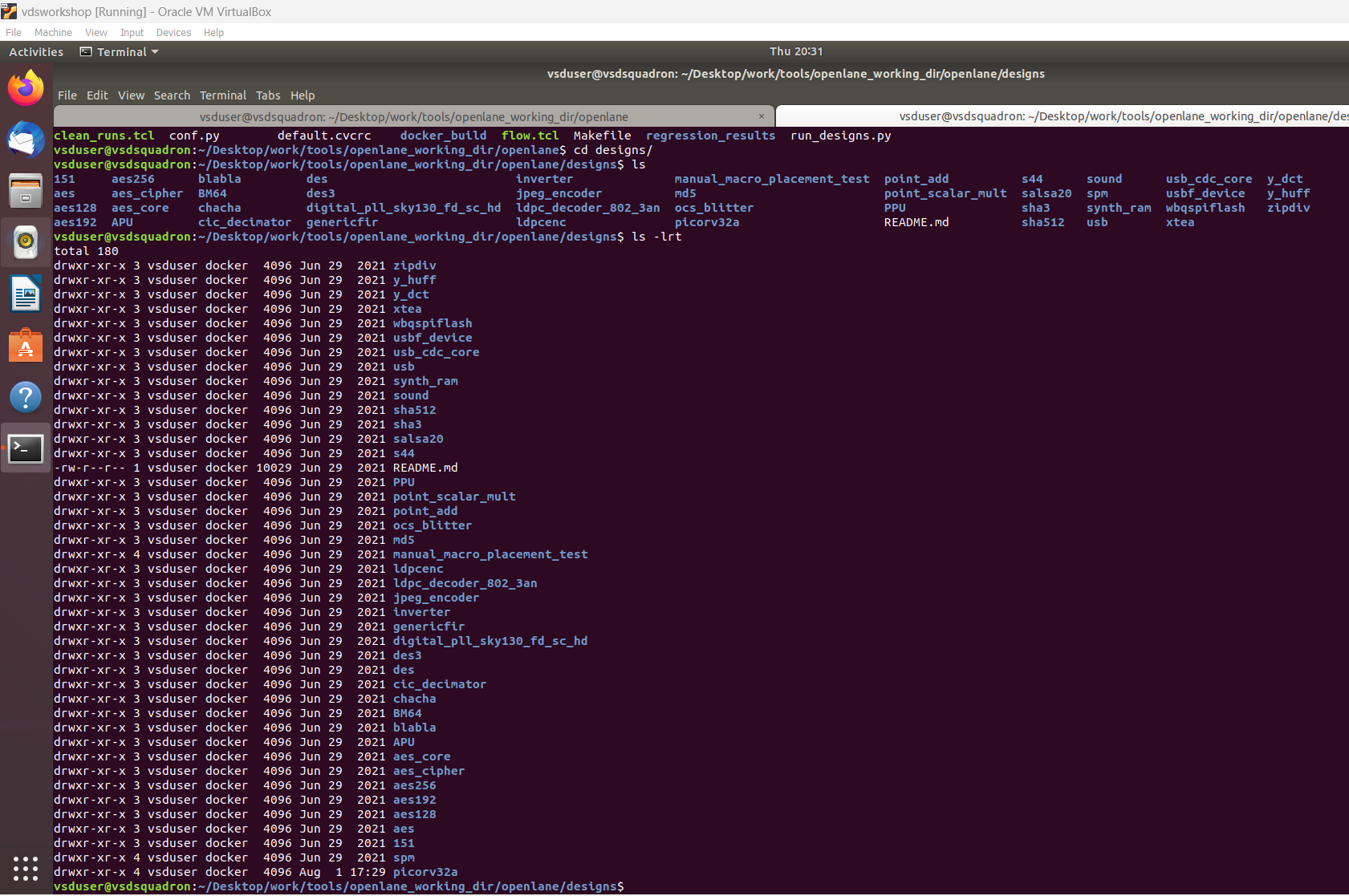
A screenshot of a computer

Description automatically generated

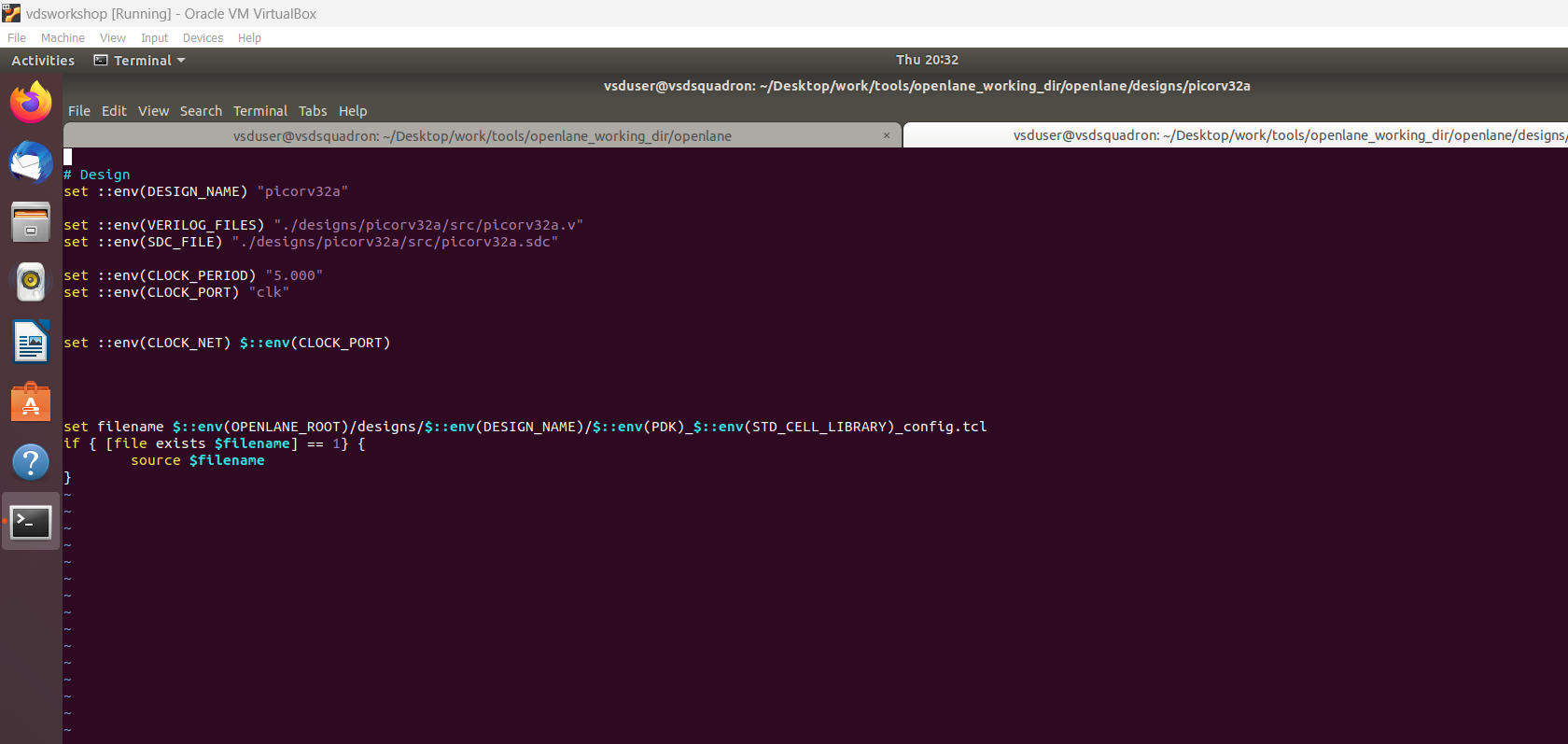
1. Ran the commands below in with docker in the working directory



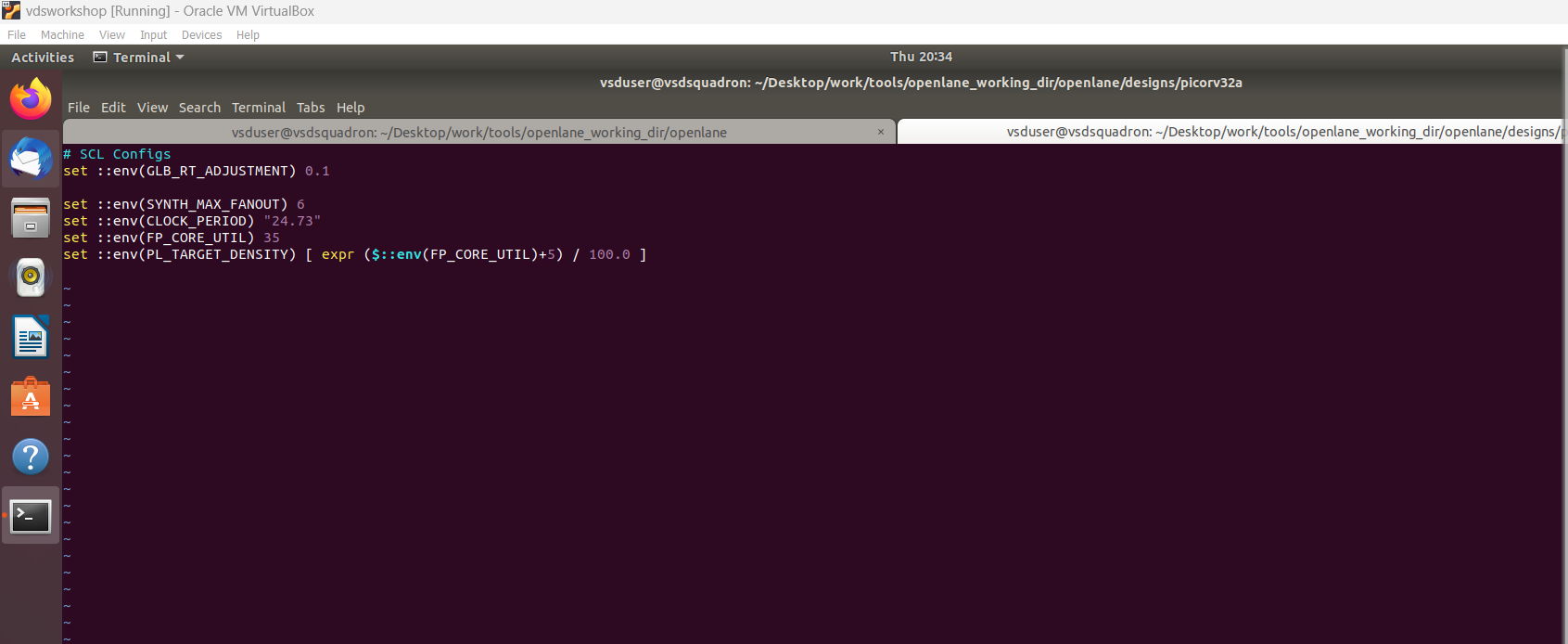
1. Opened the working directory designs



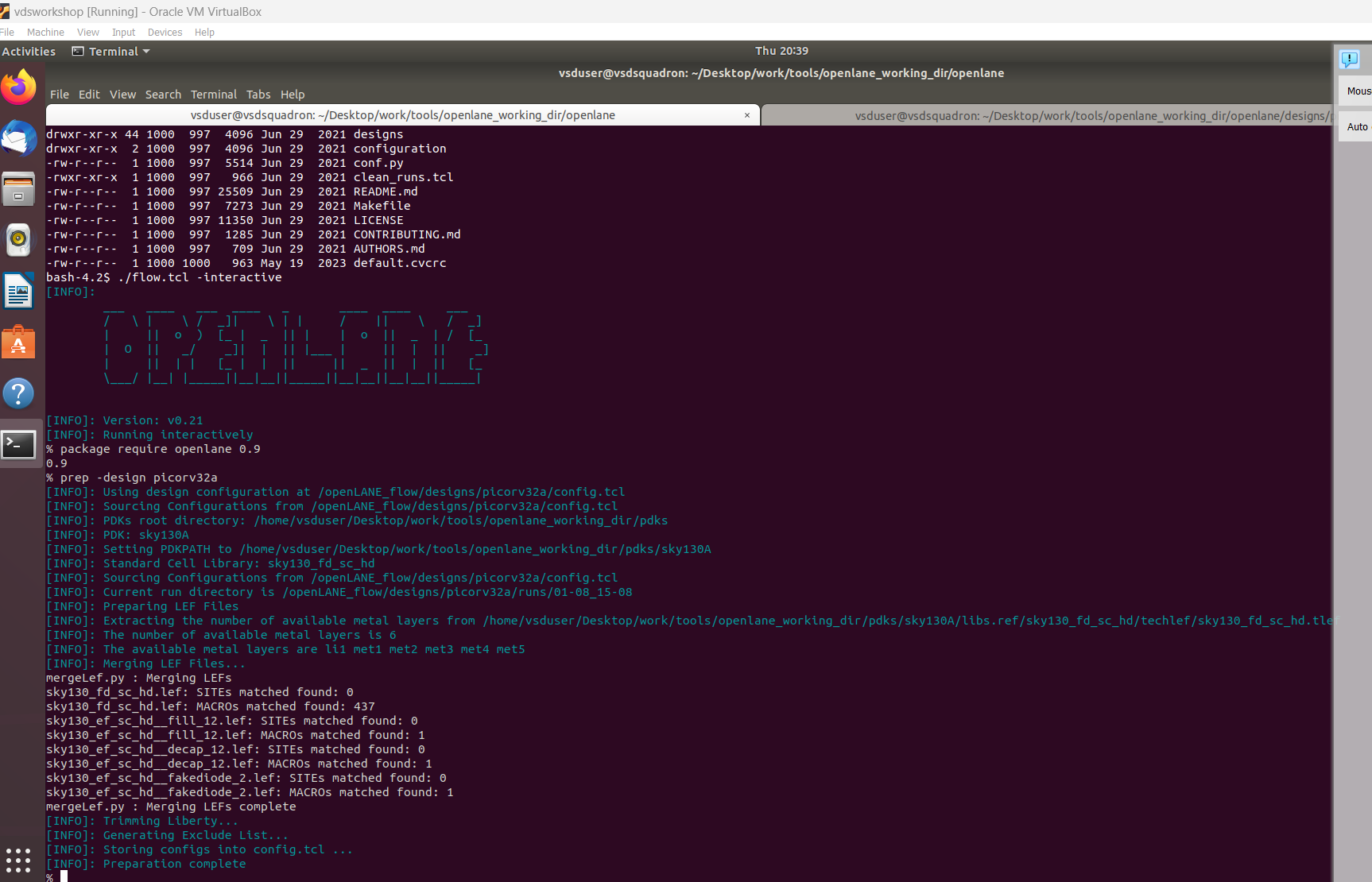
1. Opened the config.tcl in vim & checked the period other items



1. Opened the sky130A\_sky130\_fd\_sc\_hd\_config.tcl file & checked the period other items



1. Ran the command prep -design picorv32a & found that the run folder is created in the picorv32a design folder



1. Went to the design folder and did ls -lrt to check the folders created.

A screenshot of a computer

Description automatically generated

1. Opened the merged.lef file in vim & checked the via & metal information in the file

A computer screen shot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

1. Opened the config.tcl inside runs folder for today’s run in vim

A screenshot of a computer

Description automatically generatedA screenshot of a computer

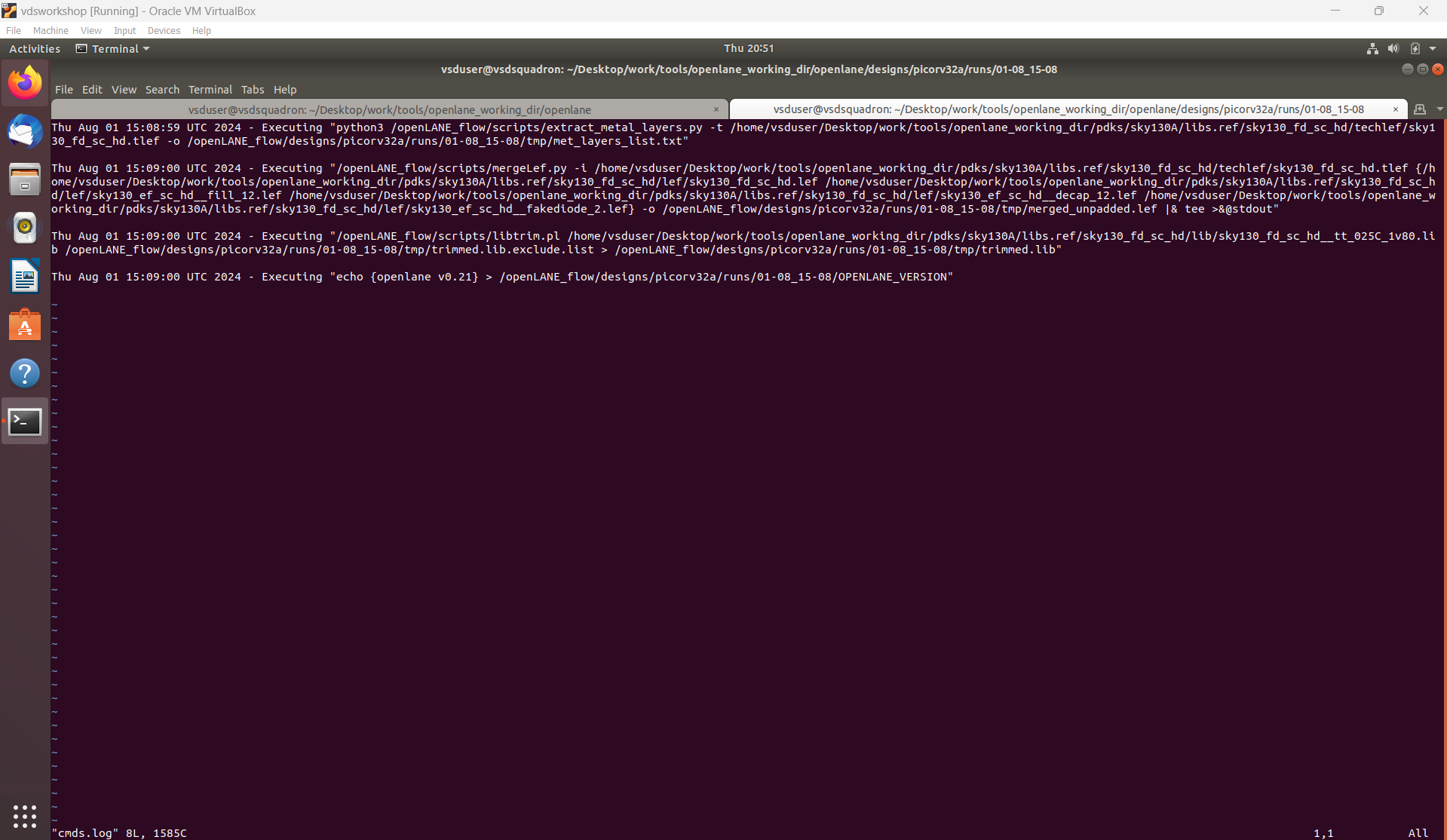
Description automatically generated

1. Checked the CORE\_UTIL parameter which is 35%

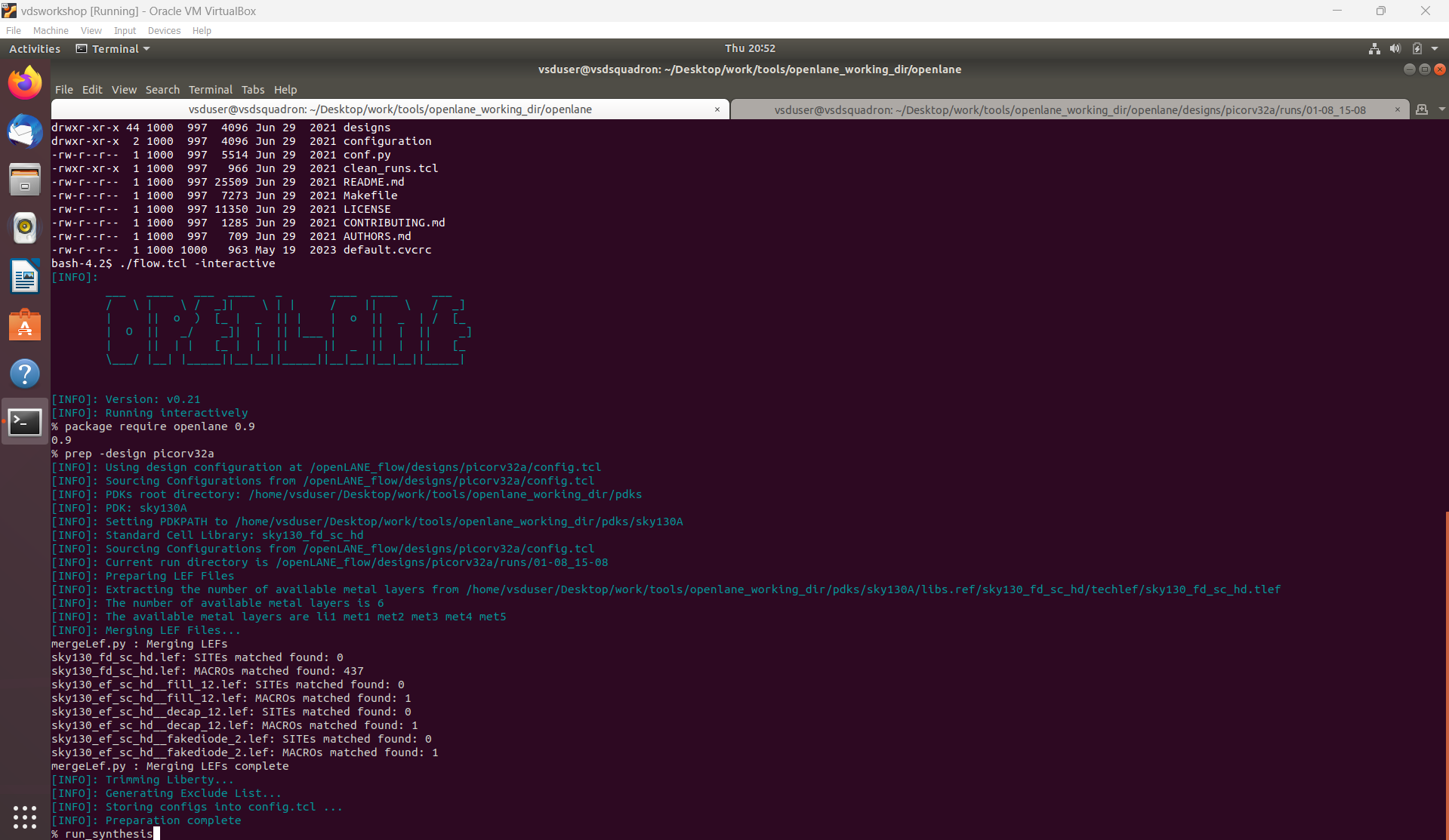
A screenshot of a computer

Description automatically generated

1. Checked the cmd.log file

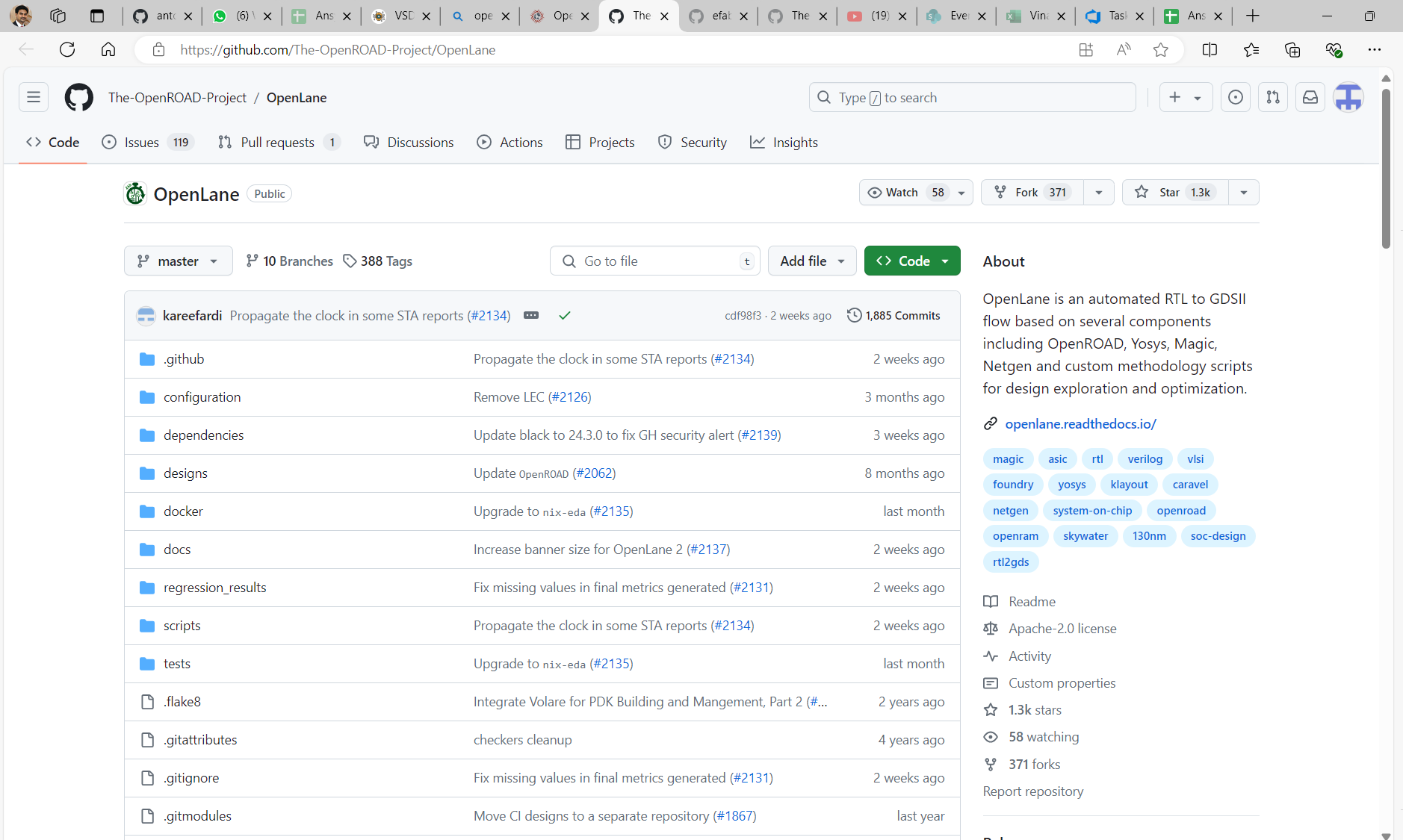


1. Ran the run\_synthesis in the command line

A screenshot of a computer

Description automatically generated

1. Went & checked the openlane website & the youtube video links mentioned in the video lecture



A screenshot of a computer

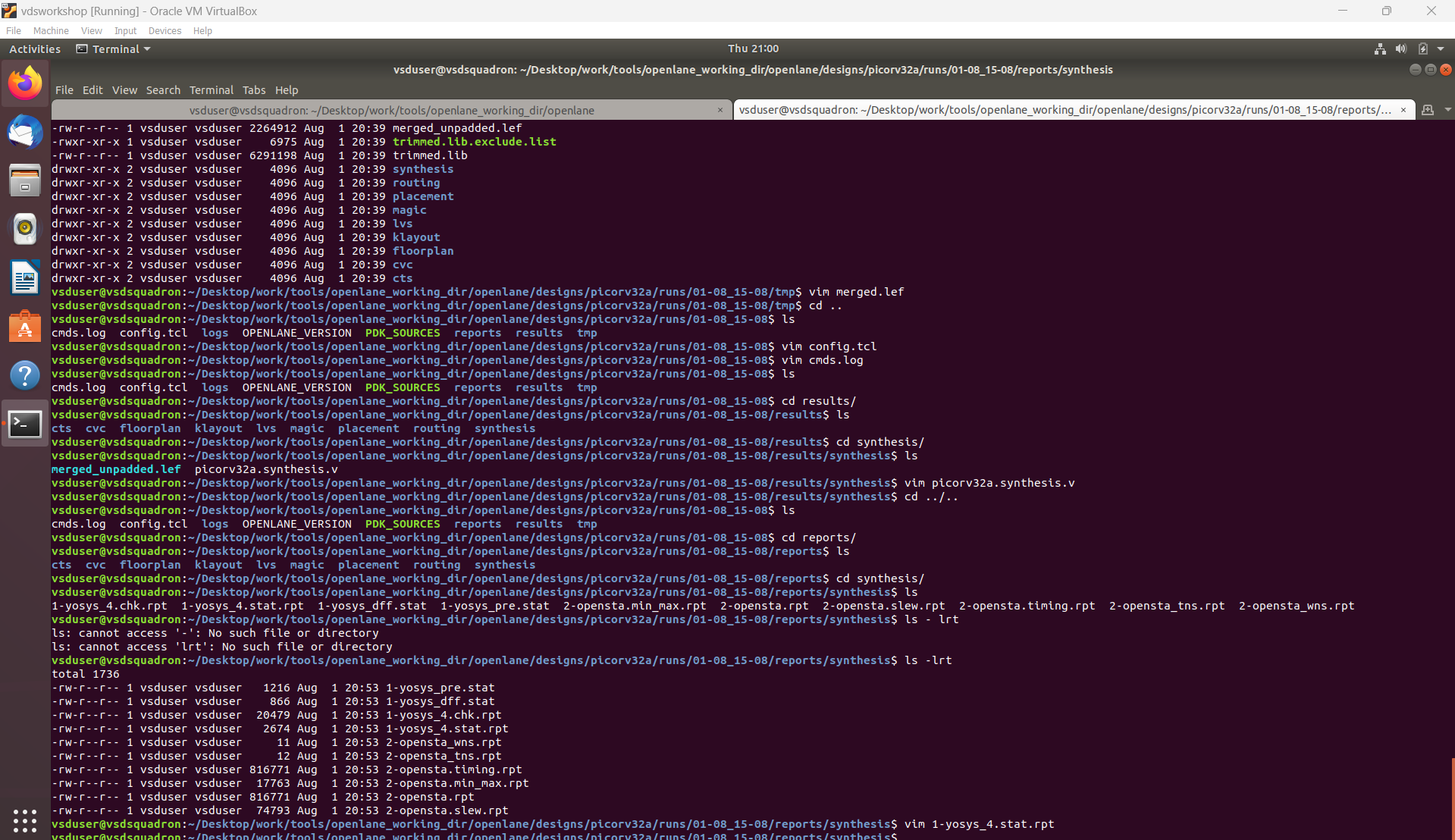
Description automatically generated

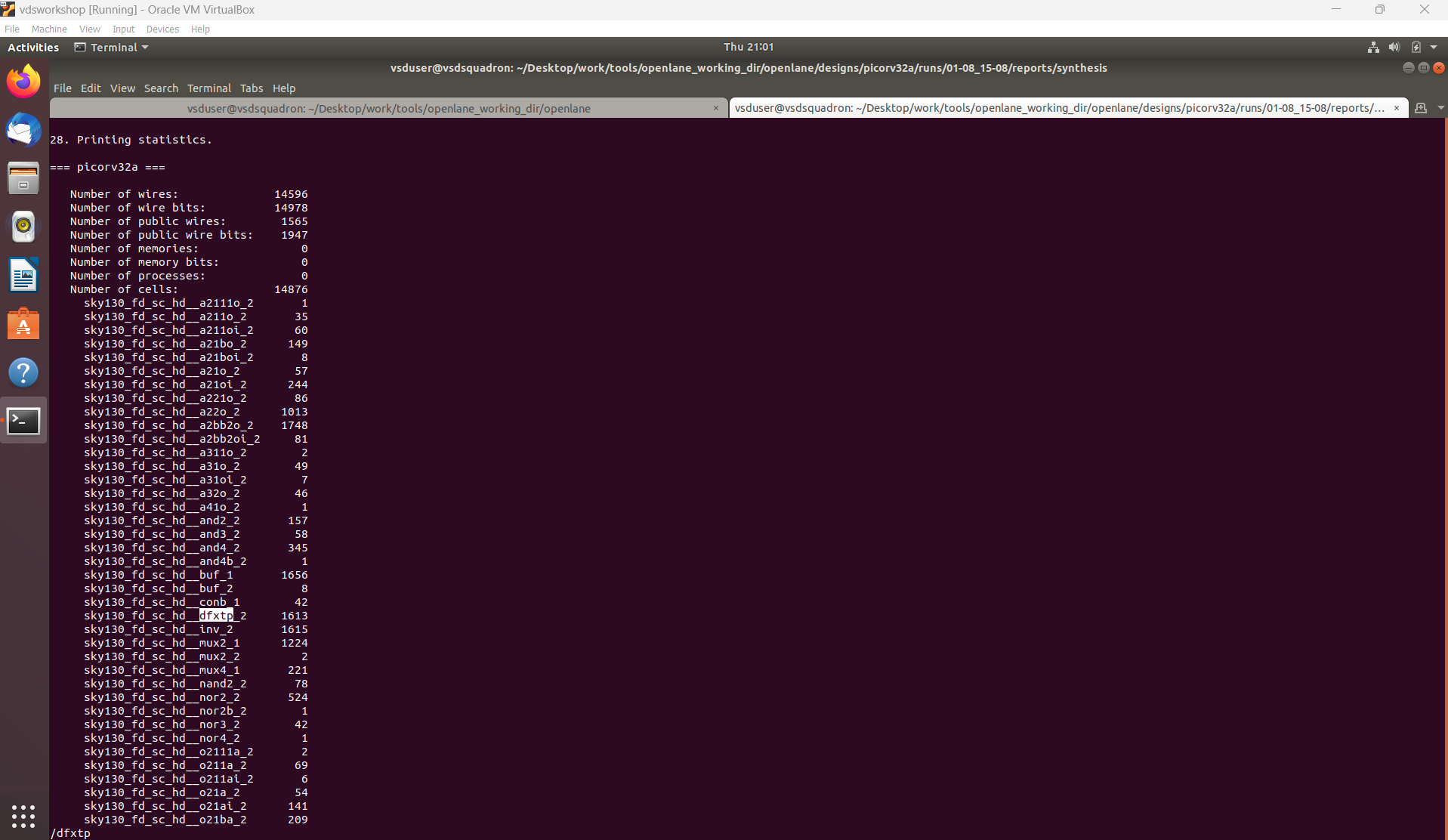
1. Checked the synthesis & found that is completed successfully

A computer screen shot of a computer code

Description automatically generated

1. Opened the stat file in the report folder to find out the flop ratio





**Flop ratio = 1613/14876 = 10.84%**

1. Opened the timing file checked it in vim

A screenshot of a computer screen

Description automatically generatedA screenshot of a computer

Description automatically generated