

CSE 31 Lab 2 Questions

- 1.) To run a program in gdb you must compile it first by using the command "gcc -o "filename" "filename.c" You can then run the program but typing "./filename" You can then type in run after the (gdb) prompt.
- 2.)
- 3.) To add a breakpoint you must use the command "break source_filename:line_number"
- 4.)
- 5.) To execute the next line of C code in the program after the break you can use the "n" command.
- 6.) You use "break source_filename:function_name()" in gdb.
- 7.) To continue running the program after breaking use the "continue" or "c" command.
- 8.) To view the value of a variable, use the "print variable_name" command.
- 9.) To view the value of a variable after a step use the command
- 10.) Use the command "info registers"
- 11.) Use the "quit" or "q" command
- 12.) The array has left over numbers when you want to append a second time. In order to fix this you must set the end of the array pointing to a null value.
- 13.) The line that caused the segmentation fault was the second "scanf" line. It is reading the address not the address value/
- 14.) To fix it so that the line works properly you must put an "&" at the front of input.
- 15.) The bug is a logical error. You must change the "sum" value into a pointer value. To do this, you must add a "&" in the line "values = read_lines(sum)". And in the read values function you must add a "*" in front of every sum.