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CSC3320

Lab 8 - Due 3/12/21

### **Part 1**

**Question 1:** Set a breakpoint at the line of statement “while (num>0)”.

Write your command: (gdb) **break 6**

**Question 2:** Run the program until the first breakpoint.

Write your command: (gdb) **r**

**Question 3:** Run the while loop step by step using command n multiple times.

Check the value of rev num and num after each iteration and fill in the table below

	1 <sup>st</sup> Iteration	2 <sup>nd</sup> Iteration	3 <sup>rd</sup> Iteration	4 <sup>th</sup> Iteration
num	112	11	1	0
rev_num	5	52	521	5211

**Question 4:** Now can you tell what the function foo does?

**Yes, foo reverses the digits of num and stores them in variable rev\_num.**

### **Part 2**

**Question 5:** Please write down the line numbers containing the errors and show how to correct them.

(You do not need to write down the commands you issued in **gbd**)

The messages that came up were:

Line 11 – Stray \ in program - I put single quotes around the \n on line 11.

Line 11 – n undeclared - Single quotes around \n resolved this issue as well.

Line 13 – space undeclared - added declaration char space under ‘char character’ to declare the variable space variable.

I also had to change the int data types for letters and words to float.