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CSC 3320 System Level Programming

Lab Assignment 8 – Post-Lab

**PART 1:**

Question 4:

Set a break point at “while (num > 0)”: (gdb) break 5

Run the program until the first breakpoint: (gdb) run

Question 6:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1st iteration | 2nd iteration | 3rd iteration | 4th iteration |
| num | 112 | 11 | 1 | 0 |
| rev\_num | 5 | 52 | 521 | 5211 |

Question 8:

Function foo reverses the digits of an integer number.

**PART 2:**

Line 11: unrecognize \n as new line character.

* while ((character = getchar()) != ‘\n’)

Line 13: variable space undeclared

* declare “int space;” at line 8.

Line 22: typecasting variable letters into double to make the result of (letters/words) into double.

* printf ("Average word length : %.1f", (double)letters / words);

Result:

