

Cuong Hoang

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:

	1 st iteration	2 nd iteration	3 rd iteration	4 th 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: unrecognized \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:

```
(gdb) run
Starting program: /home/choang7/Lab8/q2
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib64/libthread_db.so.1".
Enter a Sentence: It was a deja vu all over again
Average word length : 3.4[Inferior 1 (process 15901) exited normally]
Missing separate debuginfos, use: debuginfo-install glibc-2.17-317.el7.x86_64
```