# 2주차 결과보고서

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### 1. 목적

실습 과정에 개발한 fmt에 대하여 결과 보고한다

## 2. 실습1

```
cse20231632@cspro:~/실습1$ make
cc -c -o main.o main.c
cc -c -o blackcow.o blackcow.c
cc -c -o dog.o dog.c
cc -c -o turtle.o turtle.c
gcc -o animal main.o blackcow.o dog.o turtle.o
cse20231632@cspro:~/실습1$ Is
animal animal.h blackcow.o dog.o main.o phone turtle.o
animal.exe blackcow.c dog.c main.c Makefile turtle.c
cse20231632@cspro:~/실습1$ ./animal
Hey guys! Here is my story
We were raising a cow years ago
And I wanted to get a dog
But got a turtle instead
cse20231632@cspro:~/실습1$ []
```

3개의 'dog.c', 'blackcow.c', 'turtle.c' 라는 소스 파일을 만들어 'animal.h'에 메스도하고 'main.c' 에서 다시 불러 온다. Makefile 로 통해 'animal' 출력을 하게끔 컴파일 한다.

#### 실습2

```
cse20231632@cspro:-/실습2$ gcc -g -o file babo.c
cse20231632@cspro:-/실습2$ gdb file
GNU gdb (Ubuntu 7.11.1-Oubuntu1-16.5) 7.11.1
Copyright (C) 2016 Free Software Foundation, Inc.
License GFLv3+: GNU GFL version 3 or later <a href="http://gnu.org/licenses/gpl.html">http://gnu.org/licenses/gpl.html</a>
This is free software: GNU GFL version 3 or later <a href="http://gnu.org/licenses/gpl.html">http://gnu.org/licenses/gpl.html</a>
This is free software: you are free to change and redistribute it.
There is NO WAFFANTY, to the extent permitted by law. Type "show copying" and "show warranty" for details.
This GDB was configured as "x86_64-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<a href="http://www.gnu.org/software/gdb/bugs/">http://www.gnu.org/software/gdb/bugs/</a>.
Find the GDB manual and other documentation resources online at:
<a href="http://www.gnu.org/software/gdb/bugs/">http://www.gnu.org/software/gdb/bugs/</a>.
Find the GDB manual and other documentation/>
For help, type "help"
Type "apropos word" to search for commands related to "word"...
Reading symbols from file...done.
(gdb) 1

#include <a href="http://www.gnu.org/software/gdb/documentation/">http://www.gnu.org/software/gdb/documentation/</a>
For help, type "help"
Type "apropos word" to search for commands related to "word"...
Reading symbols from file...done.
(gdb) 1

#include <a href="http://www.gnu.org/software/gdb/documentation/">http://www.gnu.org/software/gdb/documentation/</a>
For help, type "help"

Type "apropos word" to search for commands related to "word"...

Reading symbols from file...done.
(gdb) 1

#include <a href="http://www.gnu.org/software/gdb/documentation/">http://www.gnu.org/software/gdb/documentation/</a>

For include <a href="http://www.gnu.org/software/gdb/documentation/">http://www.gnu.org/software/gdb/documentation/</a>

For include <a href="http://www.gnu.org/software/gdb/documentation/">http://www.gnu.org/software/gdb/documentation/</a>

For include <a href="h
```

주어진 코드에서 틀렸던 부분은 i 변수가

int였기 때문이다. 출력은 ".5" 라는 값을 가지지 못해서 int를 float형식으로 바꿔 출력이 맞게 나올 것이다. 여기는 디버깅을 해, 일단 breakpoint을 2줄에 넣어 출력을 하나하나 확인해보는 작업을 했다.

## 실습3

String\_manipulation.c, 'Remove\_Blanks\_At\_The\_End' function

```
cse20231632@cspro:~/실습3$ make
gcc -W -g -c -o main.o main.c
gcc -W -g -c -o string_manipulation.o string_manipulation.c
gcc -W -g -c -o output.o output.c
gcc -W -g -c -o output.o output.c
gcc -W -g -c -o output.o output.c
gcc -W -g -o main main.o string_manipulation.o output.o
cse20231632@cspro:~/실습3$ ls
Header.h main main.c main.o Makefile output.c output.o string_manipulation.c string_manipulation.o textfile.txt
cse20231632@cspro:~/실습3$ ./main textfile.txt
Here is the perfect system for cleaning your room. First move all of the
items that do not have a proper place to the center of the room. Get rid
of at least five things that you have not used within the last year.Take
out all of the trash, and place all of the dirty dishes in the kitchen
sink. Now find a location for each of the items you had placed in the
center of the room. For any remaining items, see if you can squeeze them
in under your bed or stuff them into the back of your closet. See, that
was easy
```

Makefile usage and result text

해당 함수에는 주어진 문자열에서 뒤에 있는 공백 문자들을 제가하거나 줄 바꿈 문자\n'를 유자하거나 문자열의 끝 널 문자 ' $\0'$ 으로 대체하여 반환하는 역할이다. make를 통해 'main.o string\_manipulation.o output.o'가 생기며 캠파일 할 수 있게 된다. 주어진 textfile.txt을 불리주며 출력을 한다.