

1. (10 points) What is the value of the variable "c" before it gets to line 12?

Put a break at Line 11 then check value of C being 250.

2. (10 points) What is the value of "b" just before the program exits?

I put a break at Line 13 then check value of B being 20.

Local Information printed at second break.

```
fox01{fje987}19: gcc -g -o mystery mystery.c
fox01{fje987}20: gdb mystery
GNU gdb (Ubuntu 7.7.1-0ubuntu5~14.04.3) 7.7.1
Copyright (C) 2014 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, 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:
<http://www.gnu.org/software/gdb/bugs/>.
Find the GDB manual and other documentation resources online at:
<http://www.gnu.org/software/gdb/documentation/>.
For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from mystery...done.
(gdb) list
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  // gcc -g mystery.c -o mystery
5  //gdb mystery
6
7  int main(int argc, char *argv[]) {
8      int a = 10;
9      int b = 20;
10     int c = a * b + 50;
(gdb) break 11
Breakpoint 1 at 0x400557: file mystery.c, line 11.
```

```
(gdb) break 13
Breakpoint 2 at 0x400576: file mystery.c, line 13.
(gdb) run > output0.txt
Starting program: /home/fje987/courses/cs3723/assignments/assign3/mystery >
output0.txt
```

```
Breakpoint 1, main (argc=1, argv=0x7fffffffe868) at mystery.c:11
11      a += 2;
(gdb) print c
$1 = 250
(gdb) continue
Continuing.
```

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Breakpoint 2, main (argc=1, argv=0x7fffffffe868) at mystery.c:13
13      printf("\nHave a nice day\n\n");
(gdb) print b
$2 = 20
(gdb) info locals
a = 12
b = 20
c = 25
(gdb) continue
Continuing.
[Inferior 1 (process 6341) exited normally]
(gdb)
```