Problem 1a:

```
(gdb) start
Temporary breakpoint 2 at 0x40152c: file Solution_1a.c, line 13.
Starting program: C:\Users\riley\Documents\CSCI-C 291\S1a.exe
[New Thread 18216.0xfc8]
[New Thread 18216.0x207c]

Temporary breakpoint 2, main () at Solution_1a.c:13
13              printf("Enter n value: ");
(gdb) n
Enter n value: 14              scanf("%d", &n);
(gdb) n
5
15              printf("Sum of n natural numbers is: %d\n", sum(n));
(gdb) n

Breakpoint 1, sum (n=5) at Solution_1a.c:5
5               for (i = 1; i <= n; i++) {
(gdb) watch result
Hardware watchpoint 3: result
(gdb) print result
$1 = 44
```

Problem 1b:

```
(gdb) start
Temporary breakpoint 2 at 0x4014fd: file Solution_1b.c, line 4.
Starting program: C:\Users\riley\Documents\CSCI-C 291\S1b.exe
[New Thread 8980.0x3714]
[New Thread 8980.0x4078]

Temporary breakpoint 2, main () at Solution_1b.c:4
4               int a = 0;
(gdb) n

Breakpoint 1, main () at Solution_1b.c:5
5               printf("Please ,input variable a\n");
(gdb) n
Please ,input variable a
6               scanf("%d", a);
(gdb) print a
$1 = 0
(gdb) print &a
$2 = (int *) 0x60fe1c
(gdb) n
4

Program received signal SIGSEGV, Segmentation fault.
0x00007ffe7a744542 in ungetwc () from C:\WINDOWS\System32\msvcrt.dll
(gdb) backtrace
#0  0x00007ffe7a744542 in ungetwc () from C:\WINDOWS\System32\msvcrt.dll
#1  0x00007ffe7a738fae in scanf () from C:\WINDOWS\System32\msvcrt.dll
#2  0x00007ffe7a738f1d in scanf () from C:\WINDOWS\System32\msvcrt.dll
#3  0x0000000000401521 in main () at Solution_1b.c:6
```