```
student@al=HP-ProDesk-600-Gd-MTL-/Desktop/s22124$ gdb ./a.out
ctudent@al=HP-ProDesk-600-Gd-MTL-/Desktop/s22124$ gdb ./a.out
cdw ddb (Ubuntu 9.2-cbubuntu-2.0.6.41) 92.
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License CPU-32: GMU GDV version 3 or later shttps://gnu.org/licenses/gpl.html>
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This is gwas configuration from configuration for some configuration for configu
```

```
Q = - 0 <u>&</u>
                                                                                                                                student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422124
 21
22
23
24
25
26
                                                         a=b;
b=c;
                                     }
printf("Fibonacci number is %d\n",b);
return 1;
26 }
(gdb)
Line number 27 out of range; fib.c has 26 lines.
(gdb) break 19
Breakpoint 1 at 0x55555555521a: file fib.c, line 19.
(gdb) print i
No symbol "i" in current context.
(gdb) run
Starting program: /home/student/Desktop/422124/a.out
Enter a number7
Breakpoint 1, main () at fib.c:19

19 for(l=2; l<=n; l++) {

(gdb) print i

$1 = -8272

(gdb) print n

$2 = 7

(gdb) next

20 c=a+b:
                                                        c=a+b;
 (gdb) next
 21
(gdb) next
22
(gdb) next
19
                                                        b=c:
19 (gdb) print b

53 = 1

(gdb) print i

$4 = 2

(gdb) print n

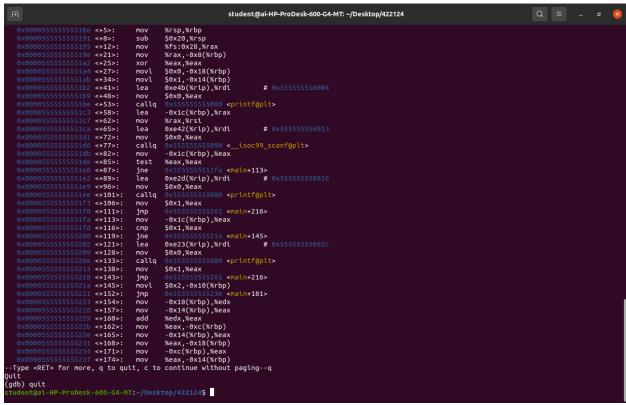
$5 = 7

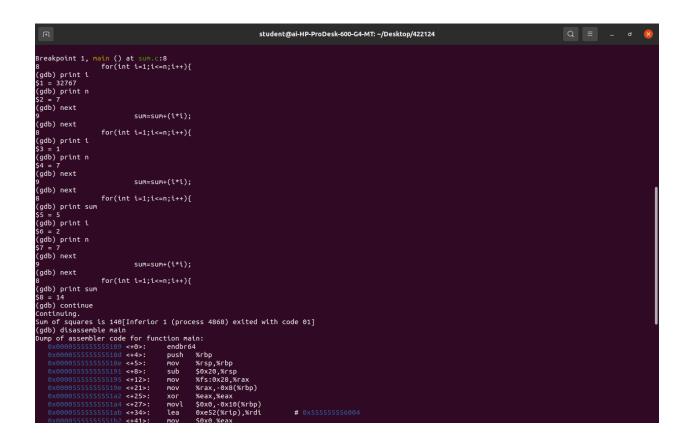
(gdb) next
 20
(gdb) next
21
                                                        a=b;
 (gdb) next
                                                        b=c:
 (gdb) next
19
 (gdb) print b
```

```
student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422124
                                                                                                                                                                                                                                           Q = _ 0
 $6 = 2
(gdb) next
                                           c=a+b:
 20
(gdb) print i
$7 = 4
(gdb) next
                                           a=b:
  (gdb) next
 (gdb) next
19
                                           b=c:
19 for(i=2;i<=n;i++){
    S8 = 4
    (gdb) print n
    S9 = 7
 S9 = 7
(gdb) print b
$10 = 3
(gdb) continue
Continuing.
Fibonacci number is 13
[Inferior 1 (process 5293) exited with code 01]
(gdb) disassemble main
Dump of assembler code for function main:
                                                   nction main
endbr64
push
mov $
sub !
mov
mov
xor
movl
lea
mov
callq
lea
!
mov
!
lea
.
lea
.
mov
                                                                   189 <+0>:
18d <+4>:
18e <+5>:
                                        <+8>:
                                        <+12>:
<+21>:
                                       <+25>:
<+27>:
<+34>:
                                       <+41>:
<+48>:
<+53>:
                                                                                                                  # 0x55555556004
                                        <+58>:
<+62>:
<+65>:
                                                                       %rax,%rsi
0xe42(%rip),%rdi # 0x55555556013
                                                                       0xe42(w) (p));

50x0,%eax

0x555555555555090 <__isoc99_scanf@plt>
                                                          mov
callq
mov
test
jne
lea
                                        <+72>:
<+77>:
<+82>:
                                                                        -0x1c(%rbp),%eax
                                        <+85>:
<+87>:
                                                                       %eax,%eax
0x555555551fa <main+113>
0xe2d(%rip),%rdi # 0x55555556016
                                        <+89>:
                                                                       $0x0,%eax
                                        <+96>:
                                                           mov
callo
```





```
student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q = - 0
                                                                                                                                                                            erior 1 (process

or function main:
+0>: endbr64
k+4>: push %rbp
+5>: mov %rsp,%rbp
+8>: sub $0x20,%rsp
+12>: mov %fs:0x28,%rax
e+21>: mov %fs:0x28,%rax
e+21>: mov %fs:0x28,%rax
e+21>: mov %fax,-0x8(%rbp)
32 +425>: xor %eax,%eax
+27>: movl $0x0,0x10(%rbp)
34>: lea 0xe52(%rip),%rdi # 0x5
: mov $0x0,%eax
callq 0x55555555588 <printf@plt>
lea -0x14(%rbp),%rax
%rax,%rst
0xe49(%rip),%rdi #
0x.655555555090 <pri>0xeax
%rax,%rst
0xe49(%rip),%rdi #
0xeax
%rsys555555090 <pri>0xeax
%rax,%rst
0xe49(%rip),%rdi #
0xeax
%rsys55555090 <pri>0xeax
%rbp)
%rbp)
%rs <main+97-
(gdb) continue
Continuing.
Sum of squares is 140[Inferior 1 (process 4868) exited with code 01]
(gdb) disassemble main
Dump of assembler code for function main:
                                       x00005555555555189 <+0>:
x000055555555518d <+4>:
x000055555555518e <+5>:
                                                                                                                                                                                                                                                                                                                                      0x33-(%rbp),%rax
%rax,%rsi
0xe49(%rip),%rdi # 0x55555555
50x0,%eax
0x55555555550 < _isoc99_scanf@plt>
50x1,-0xc(%rbp)
0x5555555551ea <main+97>
-0xc(%rbp),%eax
%eax,%eax
%eax,-0x10(%rbp)
50x1,-0xc(%rbp)
-0x14(%rbp),%eax
%eax,-0xc(%rbp)
0x5555555551dd <main+84>
0x55555555551dd <main+84>
                                                                                                                                                                                           <+65>;
<+70>;
<+70>;
<+75>;
<+82>;
<+84>;
<+87>;
<+90>;
<+910>;
<+100>;
<+101>;
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                                                                                                                                                                                                                                                                                    movl
jmp
mov
imul
add
addl
                                                                                                                                                                                                                                                                                    mov
cmp
jle
mov
lea
mov
callq
mov
mov
xor
                                                                                                                                                                                             <+103>:
<+105>:
<+108>:
                                                                                                                                                                                                                                                                                    nov -0x10(%rbp),%eax

nov %eax,%esi

lea 0xe18(%rip),%rdi # 0x55555556016

nov $0x0,%eax

callq 0x55555555080 <printf@plt>

nov $0x1,%eax

nov -0x8(%rbp),%rdx

xor %fs:0x28,%rdx

je 0x555555555221 <main+152>

callq 0x555555555221 <main+152>

callq 0x555555555070 <__stack_chk_fail@plt>

leaveq

reto
                                                                                                                                                                                               <+110>:
<+117>:
<+122>:
                                                                                                                                                                                               <+127>:
<+132>:
<+136>:
                                                                                                                                                                                               <+145>:
<+147>:
<+152>:
                                                                                                                                                                                             <+153>:
                                                                                                                                                                                                                                                                                         reta
End of assembler dump.
(gdb) quit
student@ai-HP-ProDesk-600-G4-MT:-/Desktop/422124$
```