

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

Reading symbols from **a.out**...

(gdb) start

Temporary breakpoint 1 at **0x123c**: file **driver.c**, line 6.

Starting program: **/home/mje2/CPSC2310/Lab4/a.out**

This GDB supports auto-downloading debuginfo from the following URLs:

<https://debuginfod.ubuntu.com>

Enable debuginfod for this session? (y or [n]) **y**

Debuginfod has been enabled.

To make this setting permanent, add 'set debuginfod enabled on' to .gdbinit.

Downloading separate debug info for **system-supplied DSO at 0x7ffff7fc3000**

[Thread debugging using libthread_db enabled]

Using host libthread_db library **"/lib/x86_64-linux-gnu/libthread_db.so.1"**.

Temporary breakpoint 1, main (argc=1, argv=0x7fffffffea38) at **driver.c**:6

6 {

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

Reading symbols from **a.out**...

(gdb) list

1 **#include <stdio.h>**

2 **#include <stdlib.h>**

3 **#include "functions.h"**

4

5 **int main(int argc, char** argv)**

6 {

7 **printf("cheking command line arguments\n");**

8

9 **if (argc < 3)**

10 {

(gdb) list

11 **printf("not enought argument: ./exe filename\n");**

12 **exit(-1);**

13 }

(gdb) start

Temporary breakpoint 1 at **0x5555555523c**: file **driver.c**, line 6.

Starting program: **/home/mje2/CPSC2310/Lab4/a.out**

[Thread debugging using libthread_db enabled]

Using host libthread_db library **"/lib/x86_64-linux-gnu/libthread_db.so.1"**.

Temporary breakpoint 1, main (argc=1, argv=0x7fffffffea38) at **driver.c**:6

6 {

(gdb) step

7 **printf("cheking command line arguments\n");**

(gdb) step

Download failed: Invalid argument. Continuing without source file **./libio./libio/ioputs.c**.

0x00007ffff7c87be8 in **__GI_IO_puts** (str=0x555555556008 "cheking command line arguments") at **./libio/ioputs.c**:35

warning: 35 **./libio/ioputs.c**: No such file or directory

(gdb) step

Download failed: Invalid argument. Continuing without source file **./string../sysdeps/x86_64/multiarch/strlen-avx2.S**.

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```
For help, type "help".
Type "apropos word" to search for commands related to "word"...
--Type <RET> for more, q to quit, c to continue without paging--
Reading symbols from ./program...
(gdb) break readFile
Breakpoint 1 at 0x1319: file functions.c, line 7.
(gdb) break main
Breakpoint 2 at 0x123c: file driver.c, line 6.
(gdb) run < input.txt
Starting program: /home/mje2/CPSC2310/Lab4/program < input.txt
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```
(gdb) print mat
$1 = (int **) 0x7fffffffe9f0
(gdb) print row
No symbol "row" in current context.
(gdb) print col
No symbol "col" in current context.
(gdb) run < input.txt
The program being debugged has been started already.
Start it from the beginning? (y or n) y
Starting program: /home/mje2/CPSC2310/Lab4/program < input.txt
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".

Breakpoint 2, main (argc=1, argv=0x7fffffffea38) at driver.c:6
6      {
(gdb) █
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```
Reading symbols from ./program...
(gdb) run input.txt
Starting program: /home/mje2/CPSC2310/Lab4/program input.txt

This GDB supports auto-downloading debuginfo from the following URLs:
<https://debuginfod.ubuntu.com>
Enable debuginfod for this session? (y or [n]) n
Debuginfod has been disabled.
To make this setting permanent, add 'set debuginfod enabled off' to .gdbinit.
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".
checking command line arguments
not enough argument: ./exe filename
[Inferior 1 (process 48060) exited with code 0377]
(gdb) step
The program is not being run.
```

```

(gdb) run input.txt
Starting program: /home/mje2/CPSC2310/Lab4/program input.txt
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".

Breakpoint 2, main (argc=2, argv=0x7fffffffefea28) at driver.c:6
6      {
(gdb) step
7      printf("cheking command line arguments\n");
(gdb) step
0x00007ffff7c87be8 in __GI_IO_puts (str=0x555555556008 "cheking command line arguments") at ./libio/ioputs.c:35
warning: 35      ./libio/ioputs.c: No such file or directory
(gdb) step
__strlen_avx2 () at ../sysdeps/x86_64/multiarch/strlen-avx2.S:52
warning: 52      ../sysdeps/x86_64/multiarch/strlen-avx2.S: No such file or directory
(gdb)

```

```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
(gdb) break driver.c:8
Breakpoint 1 at 0x55555555525a: file driver.c, line 9.
(gdb) continue
The program is not being run.
(gdb) run input.txt
Starting program: /home/mje2/CPSC2310/Lab4/program input.txt
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".
cheking command line arguments

Breakpoint 1, main (argc=2, argv=0x7fffffffefea28) at driver.c:9
9      if (argc < 3)
(gdb) next
11      printf("not enough argument: ./exe filename\n");
(gdb) next
not enough argument: ./exe filename

```

```

(gdb) run input.txt
Starting program: /home/mje2/CPSC2310/Lab4/program input.txt
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".
cheking command line arguments

Breakpoint 1, main (argc=2, argv=0x7fffffffefea28) at driver.c:9
9      if (argc < 3)
(gdb) next
11      printf("not enough argument: ./exe filename\n");
(gdb) next
not enough argument: ./exe filename
12      exit(-1);
(gdb) next
[Inferior 1 (process 48120) exited with code 0377]
(gdb)

```