作业第四题和第五题

第四题

- b 命令: 打断点

```
(gdb) b 26
Breakpoint 1 at 0x720: file print.c, line 26.
(gdb) l
41              }
42              return 0;
43      }
(gdb) b 40
Breakpoint 2 at 0x7a3: file print.c, line 40.
```

- c: 运行到下一个断点

```
Breakpoint 1, main () at print.c:26
26                      printf("\n");
(gdb) c
Continuing.
 * * * *   * * * *

Breakpoint 2, main () at print.c:40
40                      printf("\n");
(gdb) c
```

- n: 单步调试

```
(gdb) n
 * * * * * * * *
28              for (int i = 1; i <= 10; i++) { //´°岸 ·Л╡0è
(gdb) n
29                  for (int j = 0; j < i-1; j++) {//´□n□è 1-3-5-7-9-
(gdb) n
30                      printf(" ");                   //          11-13-15-1
8-19
(gdb)
```

- s: 单步调试并进入函数, 源文件没函数OTZ

```
(gdb) s
putchar (c=32) at putchar.c:25
25      putchar.c: No such file or directory.
(gdb)
```

ssh://dcrsqk@192.168.10.130:22   SSH2   xterm

- info b: 显示所有断点

```
Num     Type           Disp Enb Address            What
1       breakpoint     keep y   0x0000000000000720 in main at print.c:26
2       breakpoint     keep y   0x00000000000007a3 in main at print.c:40
(gdb)
```

- bt: 调用堆栈

```
The history is empty.
(gdb) bt
#0  main () at print.c:20
(gdb)
```

- p监视

```
(gdb) p
The history is empty.
(gdb) █
```

- delete： 删除所有断点

```
#0  main () at print.c:20
(gdb) delete
Delete all breakpoints? (y or n) y
(gdb) █
```

- r: 运行

```
(gdb) r
The program being debugged has been started already.
Start it from the beginning? (y or n) y
Starting program: /home/dcrsgk/day25/main
   * *       * *
  * * *     * * *
 * * * *   * * * *
* * * * * * * * * *
 * * * * * * * * *
  * * * * * * * *
   * * * * * * *
    * * * * * *
     * * * * *
      * * * *
       * * *
        * *
         *
[Inferior 1 (process 8133) exited normally]
(gdb) █
```

第五题

- 段错误

```
Program received signal SIGSEGV, Segmentation fault.
main () at print.c:4
4           a[1024]=3;
(gdb) █
```

- core文件: 它正常运行了啊啊啊啊啊啊啊

```
dcrsgk@ubuntu:~/day25$ ./wrong
   * *       * *
  * * *     * * *
 * * * *   * * * *
* * * * * * * * * *
 * * * * * * * * *
  * * * * * * * *
   * * * * * * *
    * * * * * *
     * * * * *
      * * * *
       * * *
        * *
         *
```

```
unlimit: command not found
dcrsgk@ubuntu:~/day25$ ulimit -a
core file size          (blocks, -c) unlimited
data seg size           (kbytes, -d) unlimited
scheduling priority             (-e) 0
file size               (blocks, -f) unlimited
pending signals                 (-i) 7565
max locked memory       (kbytes, -l) 16384
max memory size         (kbytes, -m) unlimited
open files                      (-n) 1024
pipe size            (512 bytes, -p) 8
POSIX message queues     (bytes, -q) 819200
real-time priority              (-r) 0
stack size              (kbytes, -s) 8192
cpu time               (seconds, -t) unlimited
max user processes              (-u) 7565
virtual memory          (kbytes, -v) unlimited
file locks                      (-x) unlimited
```