

Pointer Explore

GNU gdb (GDB) 7.6.1

Reading symbols from Pointer Explore.exe...done.

(gdb) **list 1,11**

```
1      int main(void) {
2          int x[] = {10, 20, 30, 40, 99};
3          int * y = x;
4          int z = *y;
5
6          while (*y != 99) {
7              z = *y++;
8          //      z = y[0]; y = y + 1;
9          }
10         return 0;
11     }
```

(gdb) **break 7**

Breakpoint 1 at 0x40140f: file Pointer Explore.c, line 7.

(gdb) **run**

Starting program: Pointer Explore.exe

[New Thread 6312.0x15f4]

Breakpoint 1, main () at Pointer Explore.c:7

```
7          z = *y++;
```

(gdb) **display y**

1: y = (int *) 0x28ff00

(gdb) **display *y**

2: *y = 10

(gdb) **display z**

3: z = 10

(gdb) **step**

```
6             while (*y != 99) {  
3: z = _____  
2: *y = 20  
1: y = (int *) _____  
(gdb) step
```

Breakpoint 1, main () at Pointer Explore.c:7

```
7             z = *y++;  
3: z = _____  
2: *y = _____  
1: y = (int *) 0x28ff04  
(gdb) continue
```

Continuing.

Breakpoint 1, main () at Pointer Explore.c:7

```
7             z = *y++;  
3: z = _____  
2: *y = _____  
1: y = (int *) _____  
(gdb) continue
```

Continuing.

Breakpoint 1, main () at Pointer Explore.c:7

```
7             z = *y++;  
3: z = _____  
2: *y = _____  
1: y = (int *) _____  
(gdb) continue
```

Continuing.

[Inferior 1 (process 6312) exited normally]