

sdccd-jupyterhub.nrp-nautilus.io

Dashboardassembly/loops-arrays/Activity.md at mai...ZoyaFathima01/assembly-loops-arrays-labassembly/loops-arrays/Lecture.md at mai...Untitled Folder (auto-j : 6) - JupyterLab

FileEditViewRunKernelTabsSettingsHelp

Terminal 8even_numberlargest_finderassembly-labcounter_ebx.zfibonacci.asmTerminal 16array_max.asrTerminal 19Terminal 20

```
assembly-loops-arrays-lab  eq4          largest_finder  variables
counter_ebx               eq4.asm       largest_finder.asm variables.asm
counter_ebx.asm           eq4.o          largest_finder.o
jovyan@jupyter-zfathima-40student-2esdccc-2eedu:~/Untitled Folder$ nasm -f elf32 -g -F dwarf array_max.asm -o array_max.o
ld -m elf_i386 array_max.o -o array_max
jovyan@jupyter-zfathima-40student-2esdccc-2eedu:~/Untitled Folder$ ./array_max
echo $?
25
jovyan@jupyter-zfathima-40student-2esdccc-2eedu:~/Untitled Folder$ gdb ./array_max
GNU gdb (Ubuntu 12.1-0ubuntu1-22.04.2) 12.1
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License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Type "show copying" and "show warranty" for details.
This GDB was configured as "x86_64-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<https://www.gnu.org/software/gdb/bugs/>.
Find the GDB manual and other documentation resources online at:
<http://www.gnu.org/software/gdb/documentation/>.

For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from ./array_max...
(gdb) break done
Breakpoint 1 at 0x8049023: file array_max.asm, line 28.
(gdb) run
Starting program: /home/jovyan/Untitled Folder/array_max

Breakpoint 1, done () at array_max.asm:28
28      mov ebx, eax      ; Store result (largest) in EBX
(gdb) info registers eax ebx ecx esi
eax             0x19      25
ebx             0x19      25
ecx             0x0       0
esi             0x804a00c  134520844
Missing register name
(gdb) info address array
Symbol "array" is at 0x804a000 in a file compiled without debugging.
(gdb) x/3dw 0x804a000
0x804a000 <array>:      12      7      25
(gdb) stepi
29      mov eax, 1        ; syscall: exit
(gdb) stepi
30      int 0x80
(gdb) 
```

Simple20\$ 0

Terminal 20 1