

TUGAS PRAKTIKUM SISTEM OPERASI

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NIM :L200180027

Kelas :A
Modul :3

```
Bochs for Windows - Console
Microsoft Windows [Version 10.0.17134.1006]
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C:\Users\A>cd OS
The system cannot find the path specified.

C:\Users\A>cd ..
C:\Users>cd ..
C:\>cd OS
C:\OS>Setpath.bat

C:\OS>Path=C:\OS\Dev-Cpp\bin;C:\OS\Bochs-2.3.5;c:\OS\Perl;C:\Windows;C:\Windows\System32
C:\OS>cd LAB/LAB3

C:\OS\LAB\LAB3>type s.bat
... ...\bochs-2.3.5\bochsdbg -q -f bochsrc.bxrc

C:\OS\LAB\LAB3>s

C:\OS\LAB\LAB3>..\bochs-2.3.5\bochsdbg -q -f bochsrc.bxrc
00000000000i[APIC?] local apic in initializing
=====
Bochs x86 Emulator 2.3.5
Build from CVS snapshot, on September 16, 2007
=====
00000000000i[    ] reading configuration from bochsrc.bxrc
00000000000i[    ] installing win32 module as the Bochs GUI
00000000000i[    ] using log file bochs.log
Next at t=0
(0) [0xfffffffff0] f000:ffff0 (unk. ctxt): jmp far f000:e05b      ; ea5be000f0
<bochs:1>
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Bochs for Windows - Display

CTRL + 3rd button enables mouse A: NUM CAPS SCRL

Bochs for Windows - Console

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Next at t=0
(O) [0xffffffff] f000:ffff (unk. ctxt): jmp far f000:e05b      ; ea5be000f0
<bochs:1> r
rax: 0x00000000:00000000 rcx: 0x00000000:00000000
rdx: 0x00000000:0000f20 rbx: 0x00000000:00000000
rsp: 0x00000000:00000000 rbp: 0x00000000:00000000
rsi: 0x00000000:00000000 rdi: 0x00000000:00000000
r8 : 0x00000000:00000000 r9 : 0x00000000:00000000
r10: 0x00000000:00000000 r11: 0x00000000:00000000
r12: 0x00000000:00000000 r13: 0x00000000:00000000
r14: 0x00000000:00000000 r15: 0x00000000:00000000
rip: 0x00000000:0000ffff
eflags 0x00000002
IOPR=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:2>
```

```

Bochs for Windows - Console
C:\OS>cd LAB/LAB3
C:\OS\LAB\LAB3>type s.bat
..\\bochs-2.3.5\bochsdbg -q -f bochsrc.bxrc
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(0) [0xfffffff0] f000:ffff0 (unk. ctxt): jmp far f000:e05b      ; ea5be000f0
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rax: 0x00000000:00000000 rcx: 0x00000000:00000000
rdx: 0x00000000:00000f20 rbx: 0x00000000:00000000
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rsi: 0x00000000:00000000 rdi: 0x00000000:00000000
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r10: 0x00000000:00000000 r11: 0x00000000:00000000
r12: 0x00000000:00000000 r13: 0x00000000:00000000
r14: 0x00000000:00000000 r15: 0x00000000:00000000
rip: 0x00000000:0000ffff
eflags 0x00000002
IOPL=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:>2> s
Next at t=1
(0) [0x000fe05b] f000:e05b (unk. ctxt): xor ax, ax      ; 31c0
<bochs:>3>
Bochs for Windows - Console
=====
0000000000i[    ] reading configuration from bochsrc.bxrc
0000000000i[    ] installing win32 module as the Bochs GUI
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Next at t=0
(0) [0xfffffff0] f000:ffff0 (unk. ctxt): jmp far f000:e05b      ; ea5be000f0
<bochs:>1> r
rax: 0x00000000:00000000 rcx: 0x00000000:00000000
rdx: 0x00000000:00000f20 rbx: 0x00000000:00000000
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rip: 0x00000000:0000ffff
eflags 0x00000002
IOPL=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:>2> s
Next at t=1
(0) [0x000fe05b] f000:e05b (unk. ctxt): xor ax, ax      ; 31c0
<bochs:>3> r
rax: 0x00000000:00000000 rcx: 0x00000000:00000000
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r12: 0x00000000:00000000 r13: 0x00000000:00000000
r14: 0x00000000:00000000 r15: 0x00000000:00000000
rip: 0x00000000:0000e05b
eflags 0x00000002
IOPL=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:>4>

```

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Bochs for Windows - Console
0000000000000000i[      ] using log file bochs.log
Next at t=0
(0) [0xfffffffff0] f000:ffff0 (unk. ctxt): jmp far f000:e05b      ; ea5be000f0
<bochs:>r
rax: 0x00000000:00000000 rcx: 0x00000000:00000000
rdx: 0x00000000:00000f20 rbx: 0x00000000:00000000
rsp: 0x00000000:00000000 rbp: 0x00000000:00000000
rsi: 0x00000000:00000000 rdi: 0x00000000:00000000
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rip: 0x00000000:0000ffff0
eflags 0x00000002
IOPL=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:>s
Next at t=1
(0) [0x000fe05b] f000:e05b (unk. ctxt): xor ax, ax      ; 31c0
<bochs:>r
rax: 0x00000000:00000000 rcx: 0x00000000:00000000
rdx: 0x00000000:00000f20 rbx: 0x00000000:00000000
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r12: 0x00000000:00000000 r13: 0x00000000:00000000
r14: 0x00000000:00000000 r15: 0x00000000:00000000
rip: 0x00000000:0000e05b
eflags 0x00000002
IOPL=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:>s
Next at t=2
(0) [0x000fe05d] f000:e05d (unk. ctxt): out 0x0d, al      ; e60d
<bochs:>

```

```

Bochs for Windows - Console
(0) [0xfffffffff0] f000:ffff0 (unk. ctxt): jmp far f000:e05b      ; ea5be000f0
<bochs:>r
rax: 0x00000000:00000000 rcx: 0x00000000:00000000
rdx: 0x00000000:00000f20 rbx: 0x00000000:00000000
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r12: 0x00000000:00000000 r13: 0x00000000:00000000
r14: 0x00000000:00000000 r15: 0x00000000:00000000
rip: 0x00000000:0000ffff0
eflags 0x00000002
IOPL=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:>s
Next at t=1
(0) [0x000fe05b] f000:e05b (unk. ctxt): xor ax, ax      ; 31c0
<bochs:>r
rax: 0x00000000:00000000 rcx: 0x00000000:00000000
rdx: 0x00000000:00000f20 rbx: 0x00000000:00000000
rsp: 0x00000000:00000000 rbp: 0x00000000:00000000
rsi: 0x00000000:00000000 rdi: 0x00000000:00000000
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r12: 0x00000000:00000000 r13: 0x00000000:00000000
r14: 0x00000000:00000000 r15: 0x00000000:00000000
rip: 0x00000000:0000e05b
eflags 0x00000002
IOPL=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:>s
Next at t=2
(0) [0x000fe05d] f000:e05d (unk. ctxt): out 0x0d, al      ; e60d
<bochs:>vb 0:0x7C00
<bochs:>c

```

```

Bochs for Windows - Console
(0) [0xfffffffff0] f000:ffff0 (unk. ctxt): jmp far f000:e05b ; ea5be000f0
<bochs:1> r
rax: 0x00000000:00000000 rcx: 0x00000000:00000000
rdx: 0x00000000:00000f20 rbx: 0x00000000:00000000
rsp: 0x00000000:00000000 rbp: 0x00000000:00000000
rsi: 0x00000000:00000000 rdi: 0x00000000:00000000
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rip: 0x00000000:0000ffff
eflags 0x00000002
IOPL=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:2> s
Next at t=1
(0) [0x000fe05b] f000:e05b (unk. ctxt): xor ax, ax ; 31c0
<bochs:3> r
rax: 0x00000000:00000000 rcx: 0x00000000:00000000
rdx: 0x00000000:00000f20 rbx: 0x00000000:00000000
rsp: 0x00000000:00000000 rbp: 0x00000000:00000000
rsi: 0x00000000:00000000 rdi: 0x00000000:00000000
r8 : 0x00000000:00000000 r9 : 0x00000000:00000000
r10: 0x00000000:00000000 r11: 0x00000000:00000000
r12: 0x00000000:00000000 r13: 0x00000000:00000000
r14: 0x00000000:00000000 r15: 0x00000000:00000000
rip: 0x00000000:0000e05b
eflags 0x00000002
IOPL=0 id vip vif ac vm rf nt of df if tf sf zf af pf cf
<bochs:4> vb 0:0x7C00
<bochs:5> c
(2008345513) Breakpoint 10285624, in 0000:7c00 (0x00007c00)
Next at t=2082128
(0) [0x00007c00] 0000:7c00 (unk. ctxt): jmp .+0x003b (0x00007c3e) ; e93b00
<bochs:6>
C:\WINDOWS\system32\cmd.exe
<bochs:24> s
Next at t=2082147
(0) [0x00007d2f] 0000:7d2f (unk. ctxt): int 0x10 ; cd10
<bochs:25> s
Next at t=2082148
(0) [0x000c0116] c000:0116 (unk. ctxt): pushf ; 9c
<bochs:26> s
Next at t=2082149
(0) [0x000c0117] c000:0117 (unk. ctxt): cmp ah, 0x0f ; 80fc0f
<bochs:27> s
Next at t=2082150
(0) [0x000c011a] c000:011a (unk. ctxt): jnz .+0x0006 (0x000c0122) ; 7506
<bochs:28> s
Next at t=2082151
(0) [0x000c0122] c000:0122 (unk. ctxt): cmp ah, 0x1a ; 80fc1a
<bochs:29> s
Next at t=2082152
(0) [0x000c0125] c000:0125 (unk. ctxt): jnz .+0x0006 (0x000c012d) ; 7506
<bochs:30> s
Next at t=2082153
(0) [0x000c012d] c000:012d (unk. ctxt): cmp ah, 0x0b ; 80fc0b
<bochs:31> s
Next at t=2082154
(0) [0x000c0130] c000:0130 (unk. ctxt): jnz .+0x0006 (0x000c0138) ; 7506
<bochs:32> s
Next at t=2082155
(0) [0x000c0138] c000:0138 (unk. ctxt): cmp ax, 0x1103 ; 3d0311
<bochs:33> q
# In bx_win32_gui_c::exit(void)

Bochs is exiting. Press ENTER when you're ready to close this window.

C:\OS\LAB\LAB3>s

```

```
C:\WINDOWS\system32\cmd.exe
<bochs:4> s
Next at t=2945015
(O) [0x00001005] 0100:0005 (unk. ctxt): mov es, ax ; 8ec0
<bochs:5> s
Next at t=2945016
(O) [0x00001007] 0100:0007 (unk. ctxt): cli ; fa
<bochs:6> s
Next at t=2945017
(O) [0x00001008] 0100:0008 (unk. ctxt): mov ss, ax ; 8ed0
<bochs:7> s
Next at t=2945018
(O) [0x0000100a] 0100:000a (unk. ctxt): mov sp, 0xffff ; bcffff
<bochs:8> s
Next at t=2945019
(O) [0x0000100d] 0100:000d (unk. ctxt): sti ; fb
<bochs:9> s
Next at t=2945020
(O) [0x0000100e] 0100:000e (unk. ctxt): push dx ; 52
<bochs:10> s
Next at t=2945021
(O) [0x0000100f] 0100:000f (unk. ctxt): push es ; 06
<bochs:11> s
Next at t=2945022
(O) [0x00001010] 0100:0010 (unk. ctxt): xor ax, ax ; 31c0
<bochs:12> s
Next at t=2945023
(O) [0x00001012] 0100:0012 (unk. ctxt): mov es, ax ; 8ec0
<bochs:13> q
# In bx_win32_gui_c::exit(void)!

Bochs is exiting. Press ENTER when you're ready to close this window.

C:\OS\LAB\LAB3>
```