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Kelas : D

Mata Kuliah : Praktikum Sistem Operasi

MODUL 3

1. Command Prompt

```
Microsoft Windows [Version 10.0.19044.2006]
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C:\Users\Asus>cd..

C:\Users>cd..

C:\>cd OS

C:\OS>setpath

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>
```

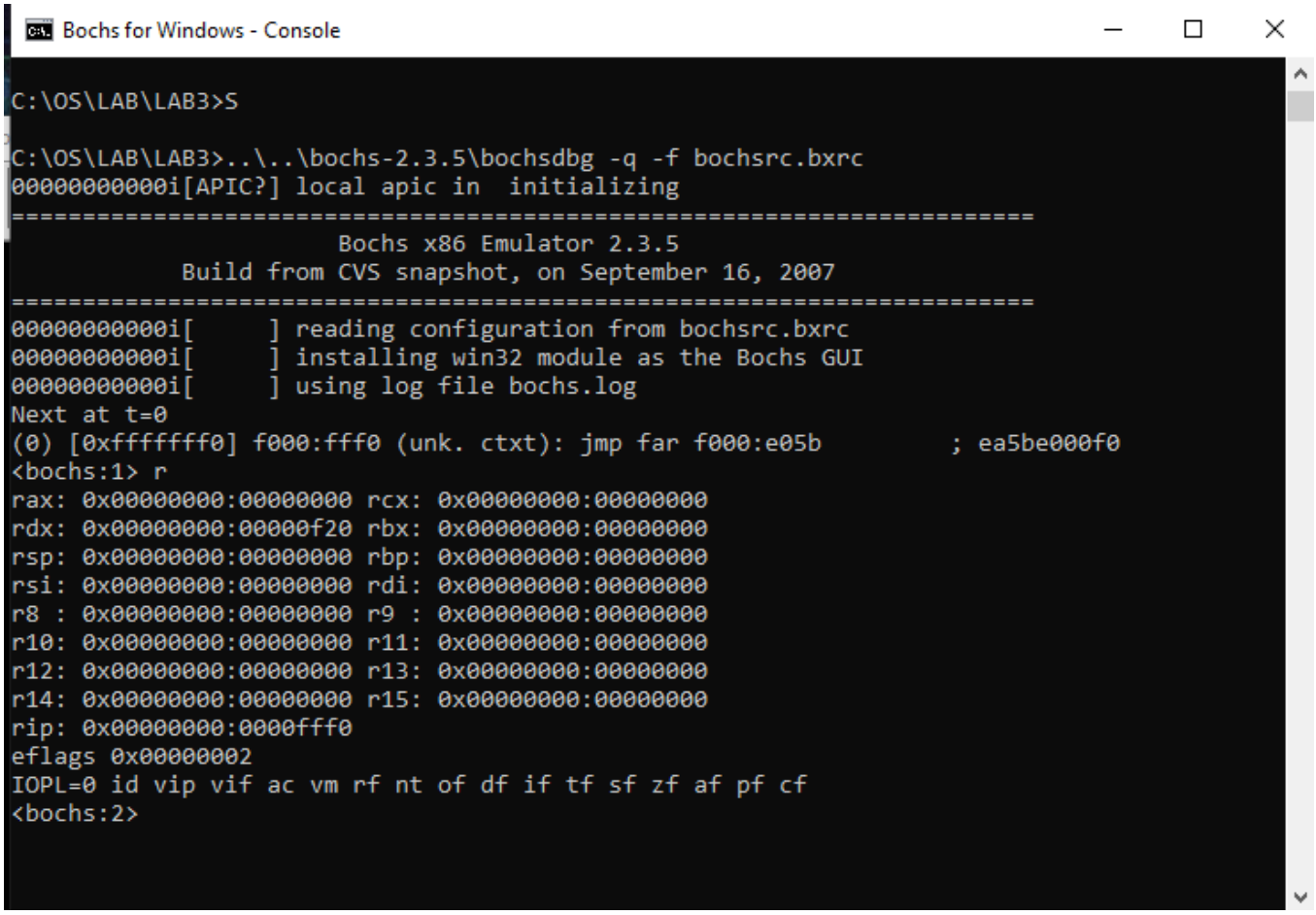
2. File sudah siap untuk proses “debugging”.
3. Mulai melakukan “debugging” :

Bochs for Windows - Console

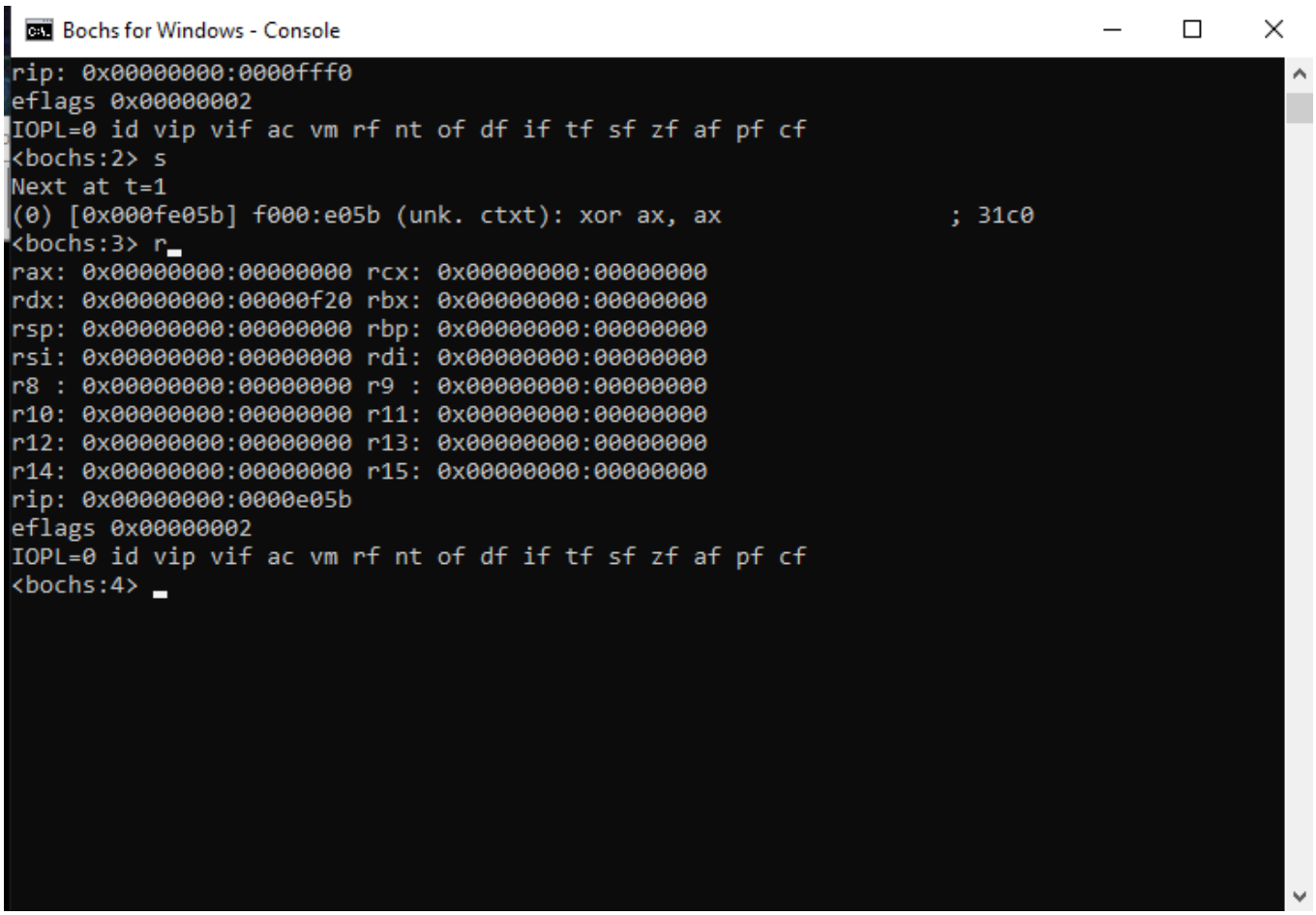
```
C:\OS\LAB\LAB3>S

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) [0xfffffff0] f000:fff0 (unk. ctxt): jmp far f000:e05b        ; ea5be000f0
<bochs:1>
```

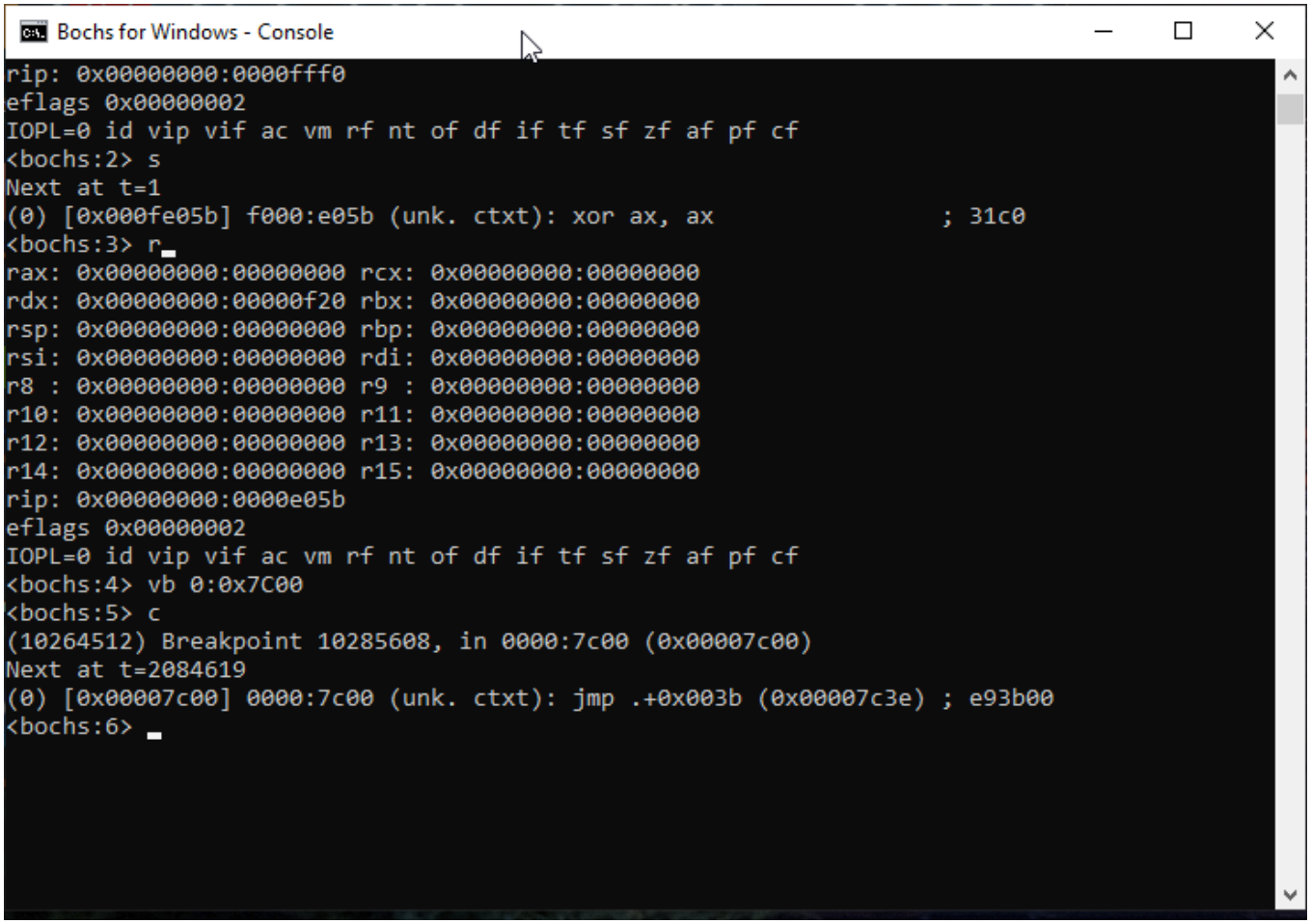
4. Melihat isi register CS dan IP :

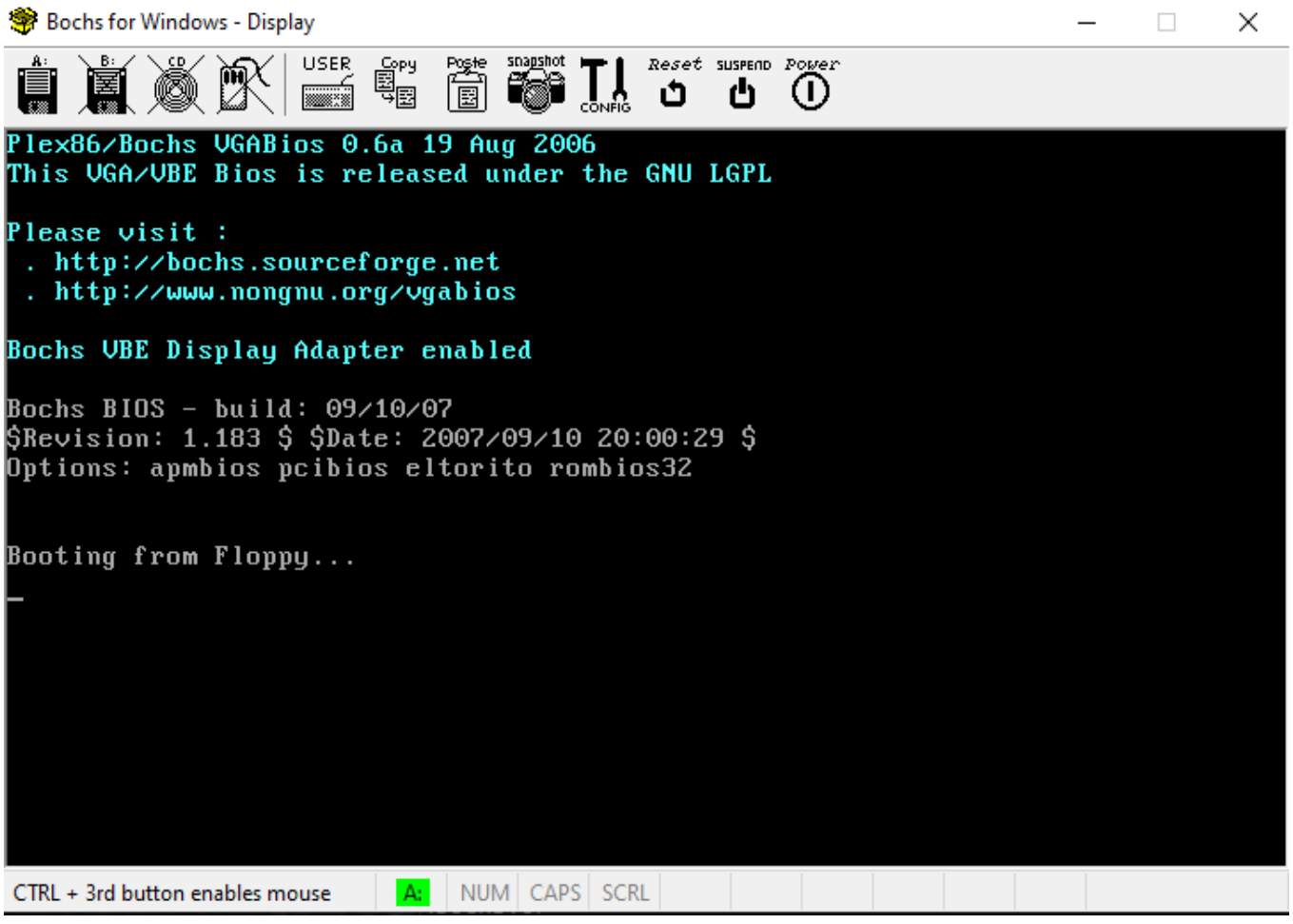


5. Ketik “s” dan “r” :

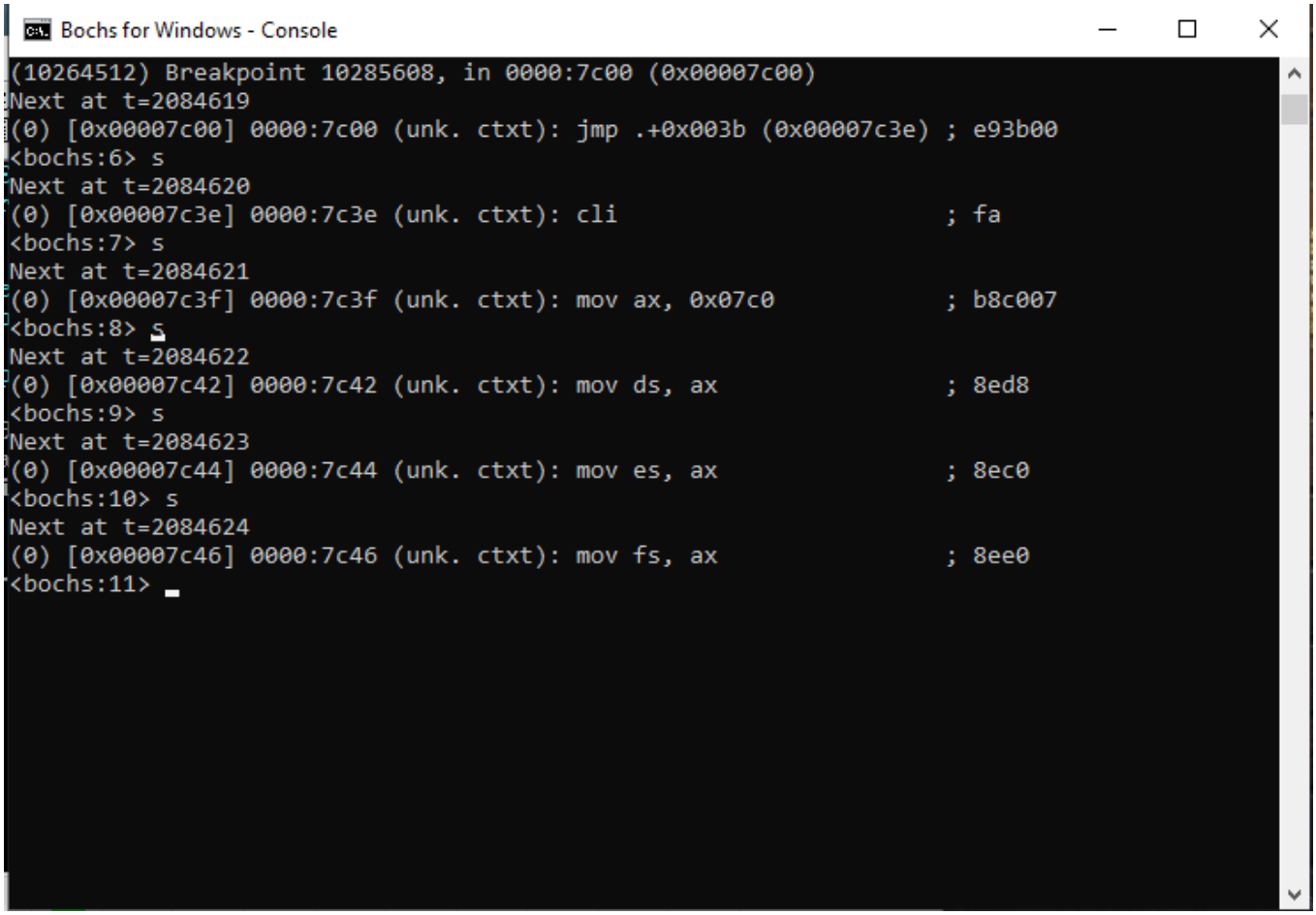


6. Melakukan break point pada 0000:7C00 dengan masukan perintah berikut “vb 0:0x7C00” dan melanjutkan program dengan masukkan perintah “c” :

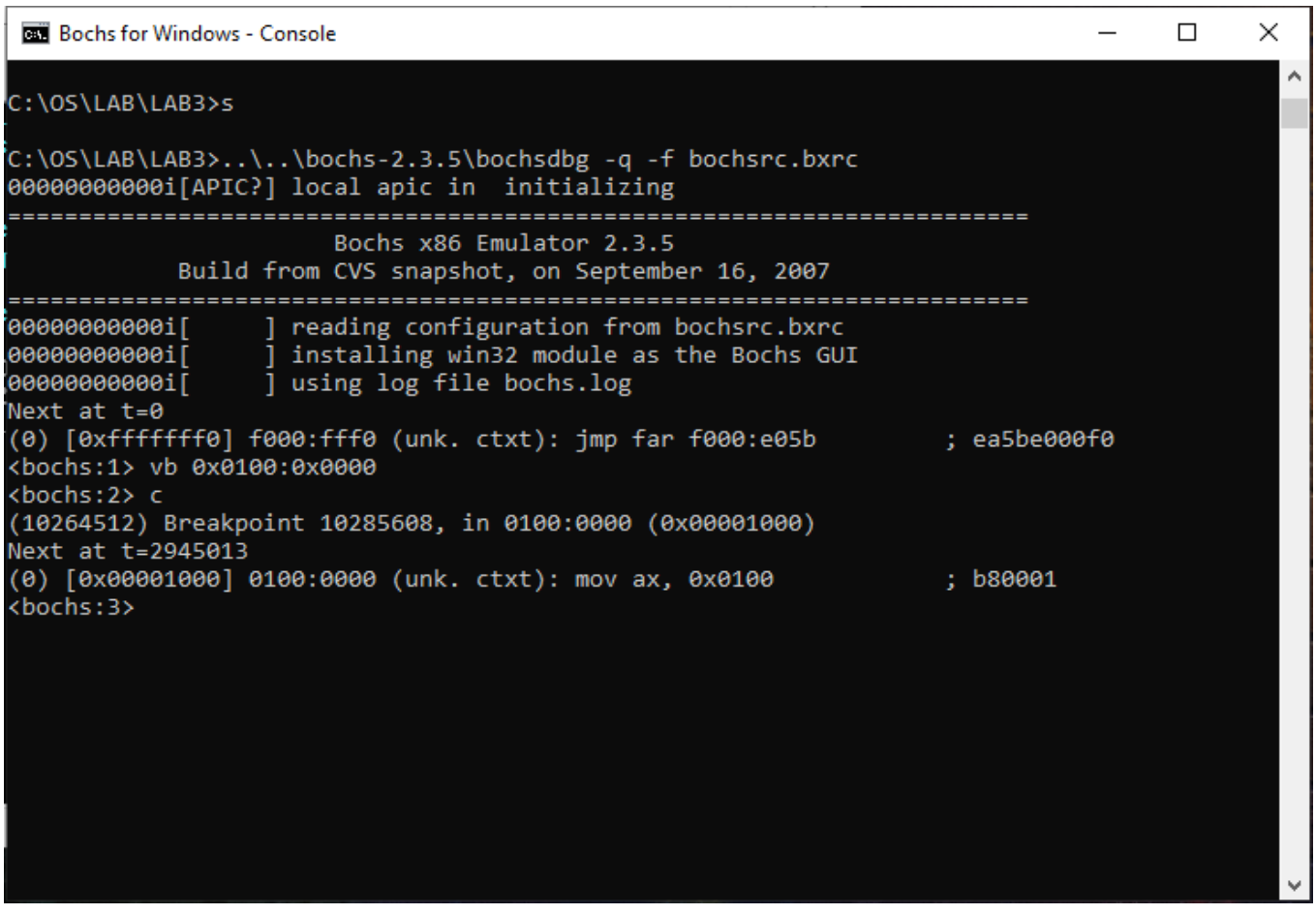




7. Boot “floppya.img” sebagai disk-boot dan menjalankan program “boot.asm” :



8. Menjalankan program “kernel.bin” pada alamat “0100:0000”.
9. Ketik “s” kemudian membuat break-point, masukkan perintah “vb 0x0100:0x0000” dan melanjutkan program ketik “c” :



10. Ketik ‘s’ sebanyak 10 kali :