Name :

Ahmed Ali

Roll No:

19P-0042

Section:

CS-4B

Code :

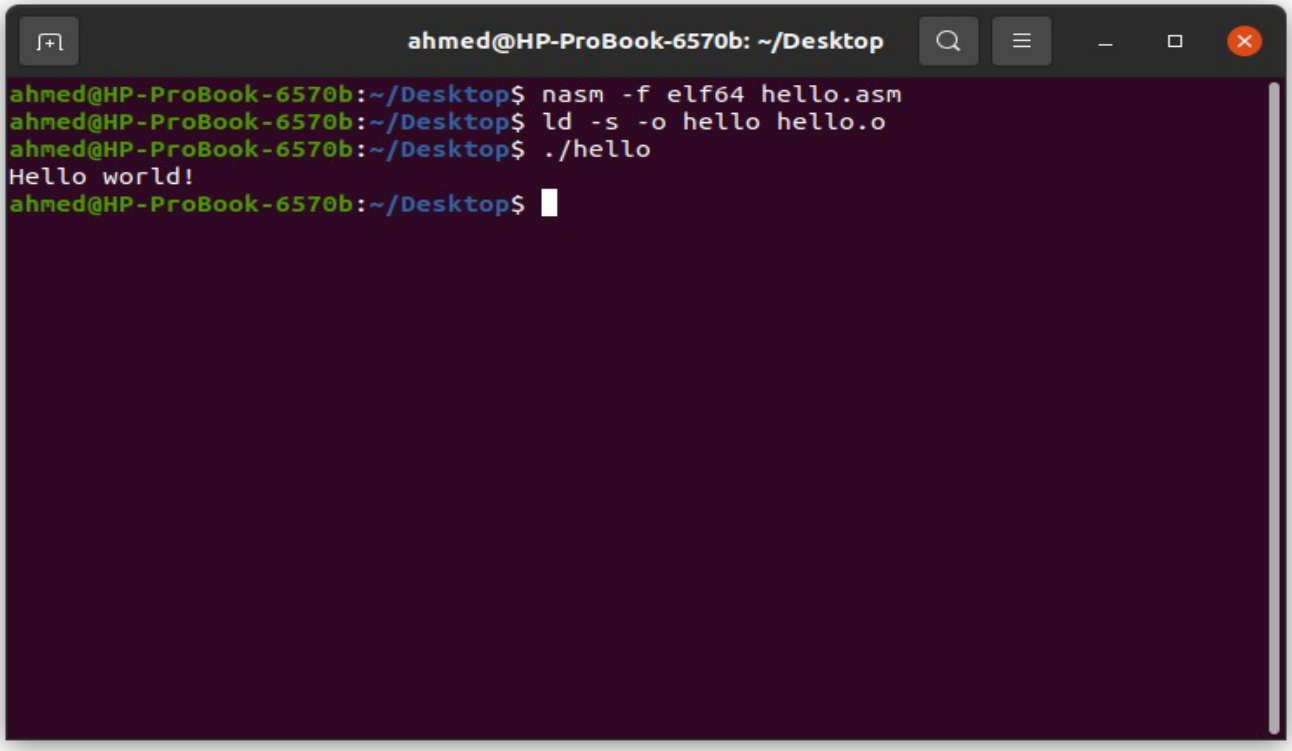
```
section .data
        hello: db 'Hello world!',10 ; ’Hello world!’ plus a linefeed character
        helloLen: equ $-hello ; Length of the ’Hello world!’ string

section .text
global _start

 _start:
        mov eax,4 ; The system call for write (sys_write)
        mov ebx,1 ; File descriptor 1 - standard output
        mov ecx,hello ; Put the offset of hello in ecx
        mov edx,helloLen ; helloLen is a constant
        int 80h ; ??

        mov eax,1
        mov ebx,0
        int 80h
```

Screenshots:



5) Answer :

int 80h is the assembly language op code for interrupt 80h. This is the syscall interrupt on a typical Intel-based Unix system, such as FreeBSD. It allows application programmers to obtain system services from the Unix kernel.