回答:

- (1)int 10h 根据 ES:BP 获得串地址,串首地址被传至 ax,再传进 bp
- (2)07c0eh
- (3)绝对地址

实验截图:

```
🔊 🖨 📵 apple@ubuntu: /media/psf/Home/Documents/Code/OS/Assignment01
 apple@ubuntu:/media/psf/Home/Documents/Code/OS/Assignment01$ nasm -f elf hellowo
rld.asm -g -F stabs

apple@ubuntu:/media/psf/Home/Documents/Code/OS/Assignment01$ gcc -o helloworld h
 elloworld.o
apple@ubuntu:/media/psf/Home/Documents/Code/OS/Assignment01$ gdb helloworld
GNU gdb (Ubuntu 7.11.1-Oubuntu1~16.04) 7.11.1
Copyright (C) 2016 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <a href="http://gnu.org/licenses/gpl.html">http://gnu.org/licenses/gpl.html</a>
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 "i686-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<a href="http://www.gnu.org/software/gdb/bugs/">http://www.gnu.org/software/gdb/bugs/</a>>.
Find the GDB manual and other documentation resources online at:
<a href="http://www.gnu.org/software/gdb/documentation/">http://www.gnu.org/software/gdb/documentation/</a>>.
For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from helloworld...done.
   🔊 🖯 🗊 apple@ubuntu: /media/psf/Home/Documents/Code/OS/Assignment01
13
 14
               section .data
15
               string: db 'Hello World', OAh
               length: equ $-string
 16
 (gdb) break 9
Breakpoint 1 at 0x80483f6: file helloworld.asm, line 9.
(gdb) run
Starting program: /media/psf/Home/Documents/Code/OS/Assignment01/helloworld
Hello World
Breakpoint 1, 0x080483f6 in main ()
(gdb) print $ecx
 $1 = 134520856
(gdb) print $edx
$2 = 12
(gdb) x/12cb 134520856
                                           72 'H' 101 'e' 108 'l' 108 'l' 111 'o' 32 ' ' 87 'W' 1
 0x804a018 <string>:
 11 'o'
                             114 'r' 108 'l' 100 'd' 10 '\n'
 0x804a<u>0</u>20:
(gdb)
```

实践说明:

访问寄存器 ecx 中地址、发现 HelloWorldOS、说明存储的为绝对地址