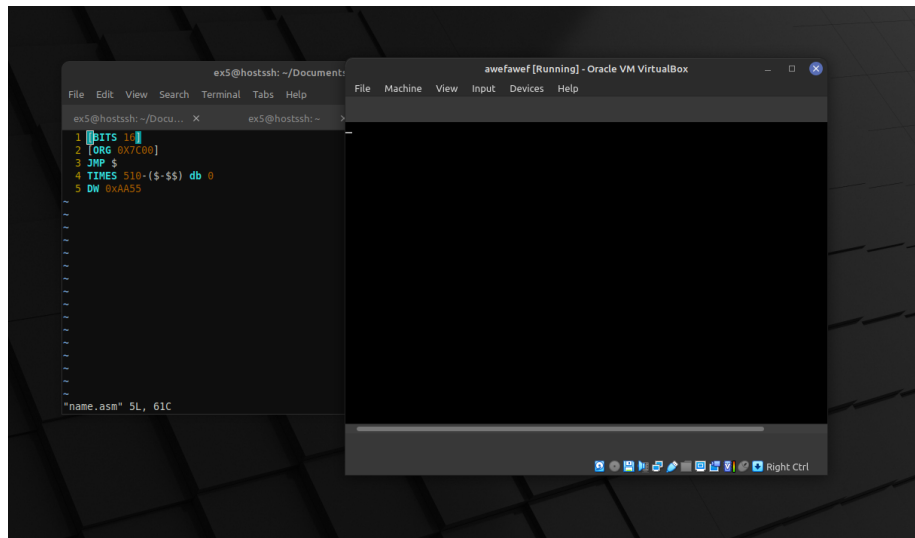


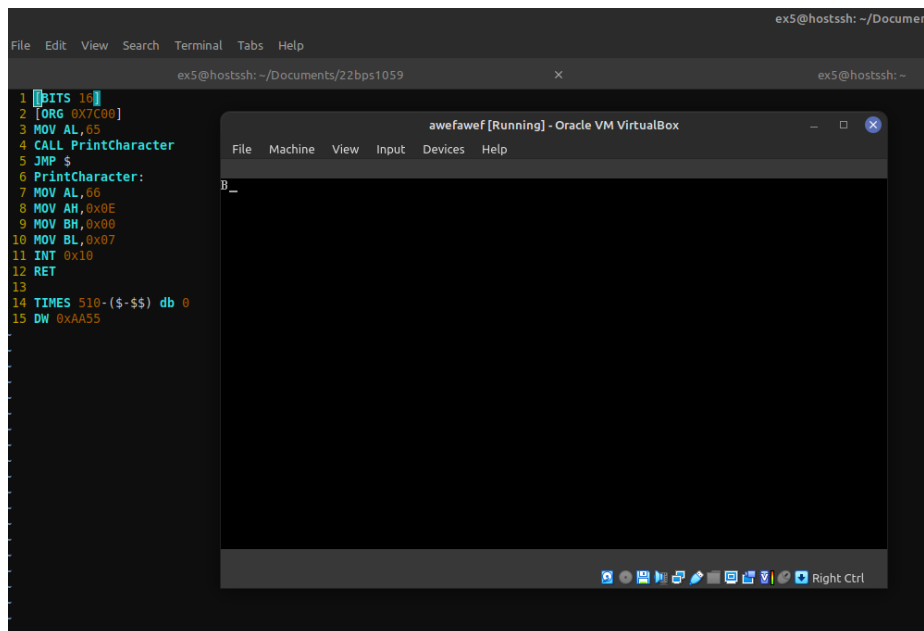
22bps1059

lab - 2

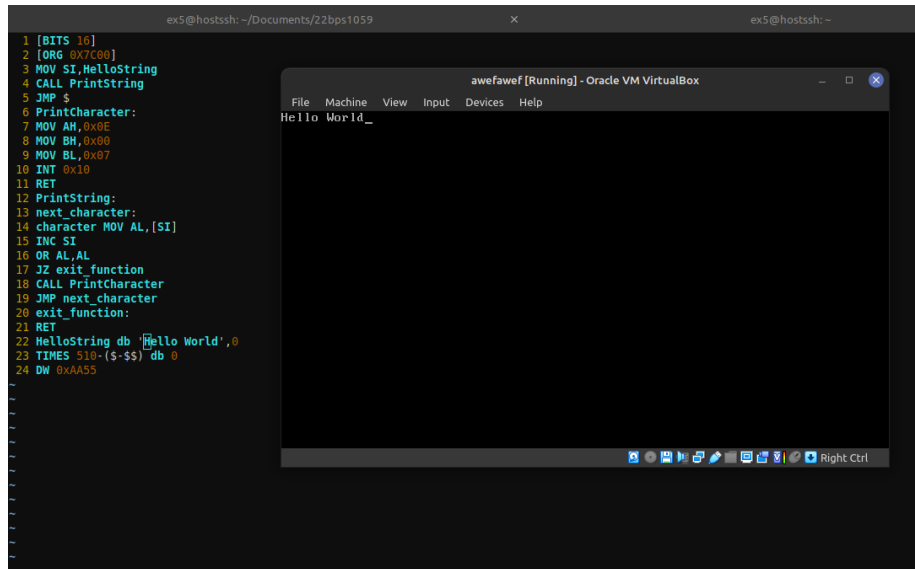
first



second



third

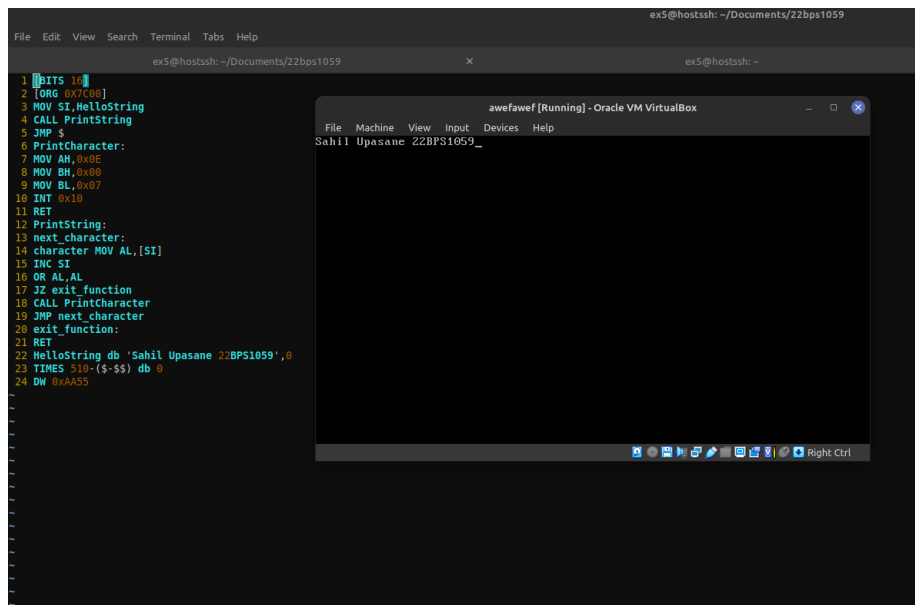


The screenshot shows a terminal window with assembly code and a virtual machine window. The terminal code is as follows:

```
1 [BITS 16]
2 [ORG 0x7C00]
3 MOV SI,HelloString
4 CALL PrintString
5 JMP $
6 PrintCharacter:
7 MOV AH,0x0E
8 MOV BH,0x00
9 MOV BL,0x07
10 INT 0x10
11 RET
12 PrintString:
13 next_character:
14 character MOV AL,[SI]
15 INC SI
16 OR AL,AL
17 JZ exit_function
18 CALL PrintCharacter
19 JMP next_character
20 exit_function:
21 RET
22 HelloString db 'Hello World',0
23 TIMES 510-($-$) db 0
24 DW 0xAA55
```

The virtual machine window, titled 'awefawef [Running] - Oracle VM VirtualBox', displays the output 'Hello World_'. The terminal window title is 'ex5@hostssh: ~/Documents/22bps1059'.

fourth



The screenshot shows a terminal window with assembly code and a virtual machine window. The terminal code is as follows:

```
1 [BITS 16]
2 [ORG 0x7C00]
3 MOV SI,HelloString
4 CALL PrintString
5 JMP $
6 PrintCharacter:
7 MOV AH,0x0E
8 MOV BH,0x00
9 MOV BL,0x07
10 INT 0x10
11 RET
12 PrintString:
13 next_character:
14 character MOV AL,[SI]
15 INC SI
16 OR AL,AL
17 JZ exit_function
18 CALL PrintCharacter
19 JMP next_character
20 exit_function:
21 RET
22 HelloString db 'Sahil Upasane 22BFS1059',0
23 TIMES 510-($-$) db 0
24 DW 0xAA55
```

The virtual machine window, titled 'awefawef [Running] - Oracle VM VirtualBox', displays the output 'Sahil Upasane 22BFS1059_'. The terminal window title is 'ex5@hostssh: ~/Documents/22bps1059'.