

## Practices1:

C:\Users\bassa\OneDrive\المستندات\MyMips\Practices 1.asm - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

Registers Coproc 1 Coproc 0

Name	Number	Value
\$8 (vaddr)	8	0
\$12 (status)	12	65297
\$13 (cause)	13	0
\$14 (epc)	14	0

```
1 .data
2 prompt: .asciiz "Enter a number: "
3 is: .asciiz "is "
4 div_and: .asciiz " divisible by 5 and 6? "
5 div_or: .asciiz " divisible by 5 or 6? "
6 div_xor: .asciiz " divisible by 5 or 6, but not both? "
7 true: .asciiz "true\n"
8 false: .asciiz "false\n"
9 .text
10
11 main:
12 #prompt and read an integer
13 li $v0, 4
14 la $a0, prompt
15 syscall
16
17 li $v0, 5
18 syscall
19
20 # move input to $t0
21 move $t0, $v0
22
23 li $t5, 5
24 # store the remainder on division by 5 and 6
25 div $t0, $t5
```

Line: 10 Column: 1 ☒ Show Line Numbers

Mars Messages Run I/O

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Mars Messages Run I/O

Enter an integer: 15  
The number is not divisible by either 5 or 6.  
-- program is finished running --

Enter an integer: 12  
The number is not divisible by either 5 or 6.  
-- program is finished running --

Enter an integer: 45  
The number is divisible by both 5 and 6.  
-- program is finished running --

Enter an integer: 9  
The number is divisible by both 5 and 6.  
-- program is finished running --

Clear

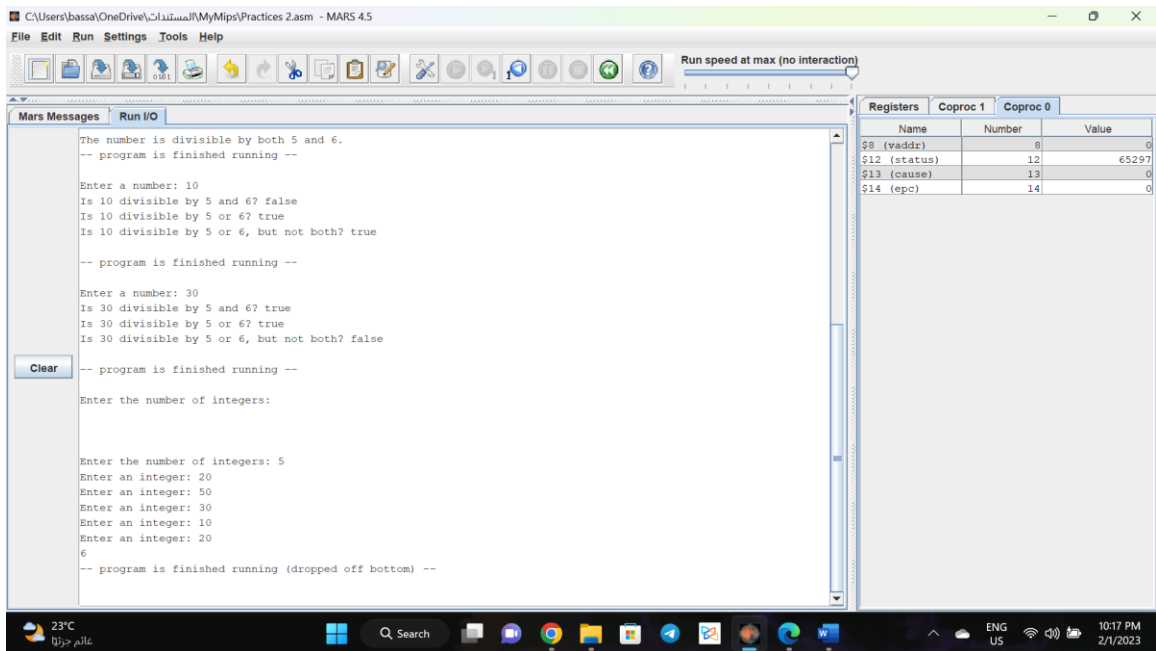
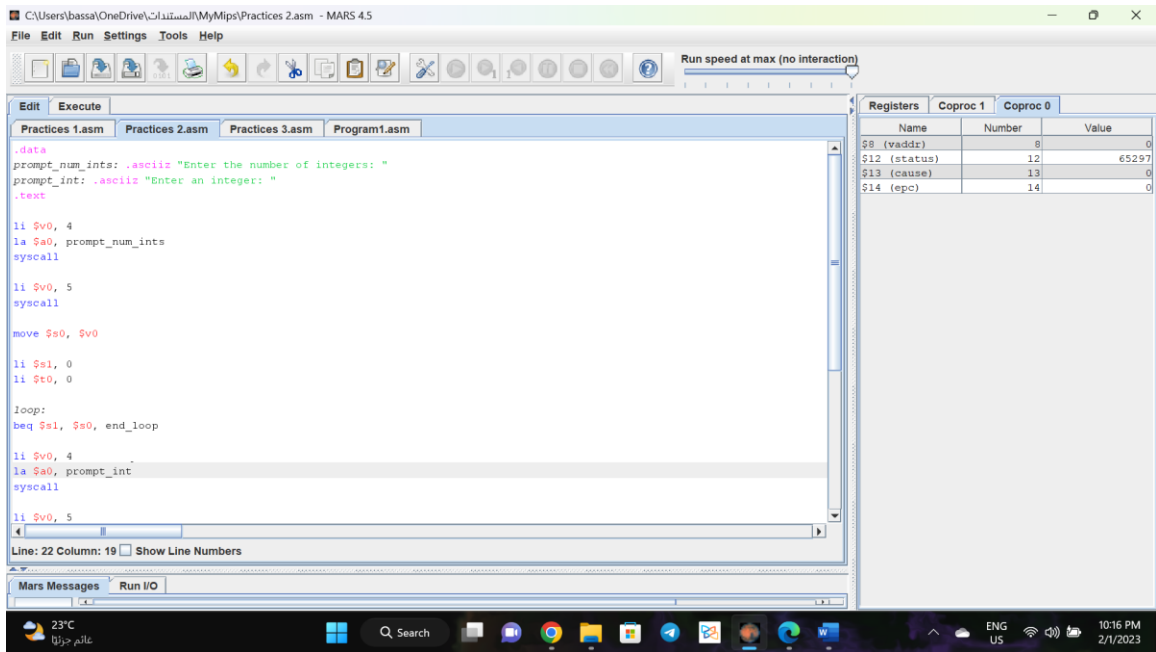
Enter a number: 10  
Is 10 divisible by 5 and 6? false  
Is 10 divisible by 5 or 6? true  
Is 10 divisible by 5 or 6, but not both? true  
-- program is finished running --

Enter a number: 30  
Is 30 divisible by 5 and 6? true  
Is 30 divisible by 5 or 6? true  
Is 30 divisible by 5 or 6, but not both? false  
-- program is finished running --

Registers Coproc 1 Coproc 0

Name	Number	Value
\$8 (vaddr)	8	0
\$12 (status)	12	65297
\$13 (cause)	13	0
\$14 (epc)	14	0

## Practices2:



### Practices3:

