.data

mask: .word 0x04

.text

li $t0, 0x08

lw $t1, mask

or,$t2, $t0, $t1

move $a0, $t2

li $v0, 1

syscall

li $v0, 10

syscall

.data

mask: .word 0x2D

.text

li $t0, 0x12

lw $t1, mask

not $t2, $t0

li $v0, 1

move $a0, $t2

syscall

li $v0, 10

syscall

.data

mask: .word 0xf

.text

li $t0, 0x02

lw $t1, mask

not $t2, $t1 # Perform bitwise NOT on $t1 and store the result in $t2

move $a0, $t2

li $v0, 1

syscall

li $v0, 10

syscall

.data

mask: .word 0x0

.text

li $t0, 0x10

lw $t1, mask

and $t2, $t0,$t1

li $v0, 1

move $a0, $t2

syscall

li $v0, 10

syscall

Task no 02:

.data

mask: .word 0xC

.text

li $t0, 0x1C

lw $t1, mask

and $t2, $t0,$t1

li $v0, 1

move $a0, $t2

syscall

li $v0, 10

syscall

Task no 03:

.data

mask: .word 0x04

.text

li $t0, 0x11

lw $t1, mask

or $t2, $t0,$t1

li $v0, 1

move $a0, $t2

syscall

li $v0, 10

syscall

.data

mask: .word 0x04

.text

li $t0, 0x11

lw $t1, mask

or $t2, $t0,$t1

li $v0, 1

move $a0, $t2

syscall

li $v0, 10

syscall

Task No 04:

.data

.text

li $t0, 0x02

sll $t1, $t0, 2

move $a0, $t1

li $v0, 1

syscall

li $v0, 10

syscall

Task no 05:

.data

.text

li $t0, 0x10

srl $t1,$t0,4

li $v0, 1

move $a0, $t1

syscall

li $v0, 10

syscall

.data

mask: .word 0x02

.text

li $t0,0x0F

lw $t1,mask

and,$t2,$t0,$t1

move $a0,$t2

li $v0,1

syscall

li $v0,10

syscall

Question 2(a)

.data

mask: .word 0x10

.text

lw $t0,mask

li $t1,0x0F

and,$t2,$t0,$t1

move $a0,$t2

li $v0,1

syscall

li $v0,10

syscall

Question 2(b)

.data

mask: .word 0x1C

.text

lw $t0,mask

li $t1,0x0F

and,$t2,$t0,$t1

move $a0,$t2

li $v0,1

syscall

li $v0,10

syscall

Question 3

.data

mask: .word 0x04

.text

lw $t0,mask

li $t1,0x11

or,$t2,$t0,$t1

move $a0,$t2

li $v0,1

syscall

li $v0,10

syscall

.data

mask: .word 0x02

.text

lw $t0,mask

sll,$t1,$t0,2

move $a0,$t1

li $v0,1

syscall

li $v0,10

syscall

Question 6

.data

mask: .word 0x20

.text

lw $t0,mask

sll,$t1,$t0,5

move $a0,$t1

li $v0,1

syscall

li $v0,10

syscall

Question 7

.data

mask: .word 0x10

.text

lw $t0,mask

srl,$t1,$t0,4

move $a0,$t1

li $v0,1

syscall

li $v0,10

syscall

.data

mask: .word 0x04

.text

li $t0,0x08

lw $t1,mask

or $t2,$t1,$t0

move $a0,$t2

li $v0,1

syscall

li $v0,10

syscall

.data

mask: .word 0x02

.text

li $t0,0x0f

lw $t1,mask

and $t2,$t1,$t0

move $a0,$t2

li $v0,1

syscall

li $v0,10

syscall

task 2:

.data

mask: .word 0xC

.text

li $t0, 0x1C

lw $t1, mask

and $t2, $t0,$t1

li $v0, 1

move $a0, $t2

syscall

li $v0, 10

syscall

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task 3:

.data

mask: .word 0x4

.text

li $t0, 0x11

lw $t1, mask

or $t2, $t0,$t1

li $v0, 1

move $a0, $t2

syscall

li $v0, 10

syscall

.data

mask: .word 0x02

.text

lw $t0, mask

sll,$t1,$t0,2

move $a0,$t1

li $v0, 1

syscall

li $v0, 10

syscall

task 6:

.text

-

li $t0,0x20

sll,$t1,$t0,5

move $a0,$t1

li $v0,1

syscall

li $v0,10

syscall

task 7:

.text

li $t0,0x10

srl,$t1,$t0,4

move $a0,$t1

li $v0,1

syscall

li $v0,10

syscall