Memory address	label	Data (4 bytes)	Data in hex
0x10000020	a	42	0x00 00 00 2A
0x10000024	b	?	0x? ? ? ?
0x10000028	c	a b c d	0x 61 62 63 64
0x1000002C		e \0 ? ?	0x 65 00 ? ?
0x10000030	d	1 2 3 4	0x01 02 03 04
0x10000034	e	1	0x00 00 00 01
		2	0x00 00 00 02
		3	0x00 00 00 03
		4	0x00 00 00 04
	f:	?? // // // //	0x?? // // //
0x10010004	bb	666	0x00 00 02 9A

.align **n**

2^**n**

given n = 2, then we align to a multiple 2^2=4

Q2.

```
        .data
u:
        .space 4
v:
        .word 42
w:
        .space 1
x:
        .byte ‘a’
y:
        .space 8
z:
        .space 80
```

Q3.
a. $t0 <- 0x10010000
b. $t0 <- 666
c. $t0 <- 00
d. $t0 <- 666
e. $t1 <- 0x10010008
    $t0 <- 1
f. $t1 <- 0x10010008
0x10010008
+ 8
ー ー ー ー ー
0x10010010
    $t0 <- 5
g. $t1 <- 8
    $t0 <- 5
h.$t1 <- 0x10010008
  $t0 <- 0x 00 01 00 00

adress	label	data	hex
0x10010008	cc:	1	0x 00 00 00 01
1001000C		3	00 00 00 03
0x10010010		5	00 00 00 05
0x10010014		7	00 00 00 07