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# Announcements



- Lab start this week!
  - Lab3 has been released, due on Week 4 Monday 12:00:00 (midday)
- The first weekly quiz will be released soon!
  - come out on Thursday
  - Due Week 4 Thursday 21:00:00
- Assignment1 is on the way!!
  - Will be released mid week



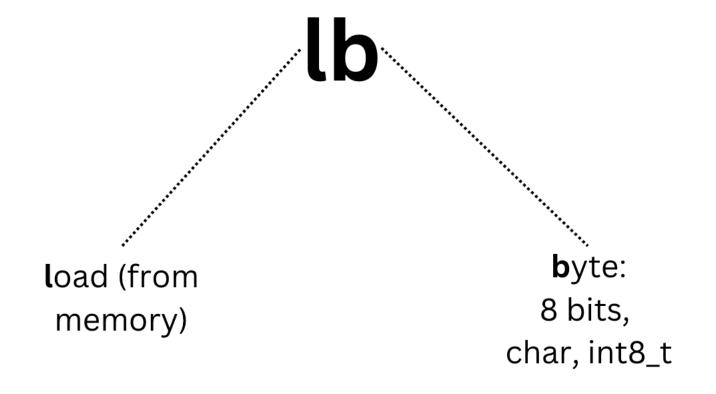
#### **Tutorial question 2**

2. If the data segment of a particular MIPS program starts at the address 0x10010020, then what addresses are the following labels associated with, and what value is stored in each 4-byte memory cell?

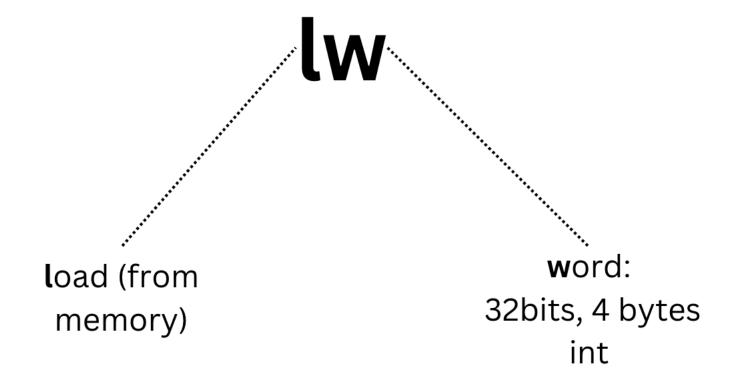
```
.data
a: .word 42
b: .space 4
c: .asciiz "abcde"
    .align 2
d: .byte 1, 2, 3, 4
e: .word 1, 2, 3, 4
f: .space 1
```

- •Like C, MIPS has types too!
- •.word = 4 bytes (int)
- •.byte = 1 byte (char)
- •.space 7 = 7 bytes of uninitialized space.

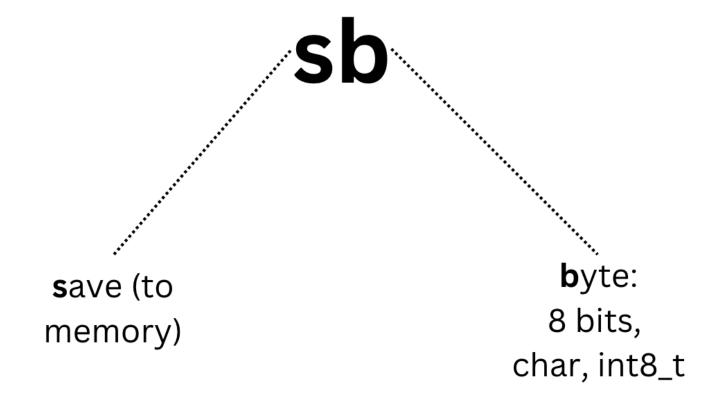




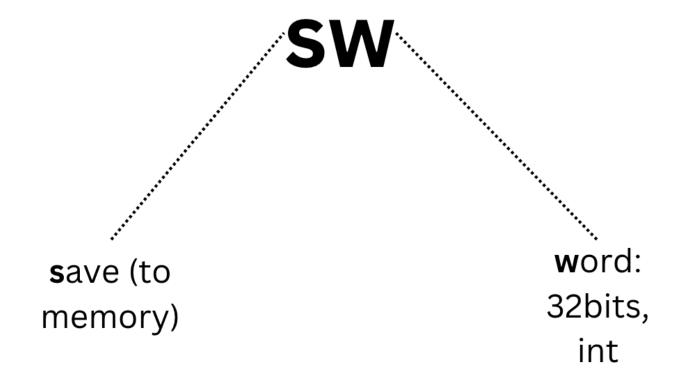














## Difference between sb/lb

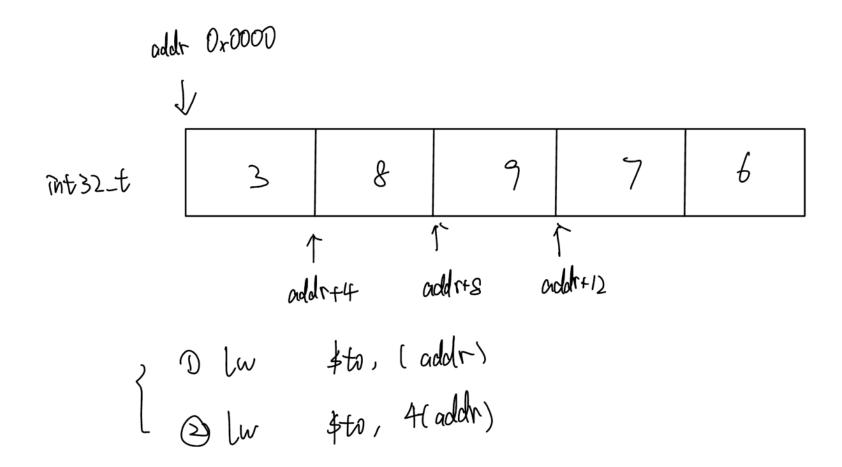
- **☐** Store is difference!!
- ☐ memory address = offset + reference addr

sb \$t0, addr

lb \$t1, addr



# An example





## Next step

☐ Address number[i]

☐ Tutorial question 4, 6, 7



# Questions and Answers



