1. List the members of your group below. Underline your name.

2. Explain what the following RISC-V assembly language program does, assuming a RARS(M) environment. In particular, clearly state and explain, as precisely as possible, its output.

```
1   .data
2   tenk: .word 10000
3   dogs: .asciz "dog"
4
5   .text
6
7       la t0, tenk
8       li t1, 0
9       li t2, 8
10
11  ltop:
12
13      mv a0, t1
14      li a7, 1
15      ecall
16
17      li a0, 32
18      li a7, 11
19      ecall
20
21      lbu a0, 0(t0)
22      li a7, 34             # ecall 34: print int in a0 in hex
23      ecall
24
25      li a0, 10
26      li a7, 11
27      ecall
28
29      addi t0, t0, 1
30      addi t1, t1, 1
31      blt t1, t2, ltop
32
33      li a7, 10
34      ecall
```

[additional space for earlier material]

3. (Informal homework) Depict the hexadecimal encoding of the *data segment* and *text segment* (that is, the machine code) resulting from the assembly of the program of Question 2. Use a depiction that makes it easy to determine the byte at each address of either segment.