```
1: # DIMITRY ERMAKOV
2:
3: # lab 3 exercise 1
4: .data
5: greet: .asciiz "Give me your name right now:\n"
6: discipline_prompt: .asciiz "Enter your favorite discipline (3-letter code, e.g., CMP, B
IO):\n"
7: course_prompt: .asciiz "\nEnter three favorite course numbers (one at a time):\n"
8: course1_prompt: .asciiz "Enter first course number:\n"
9: course2_prompt: .asciiz "Enter second course number:\n"
10: course3_prompt: .asciiz "Enter third course number:\n"
11: output_message: .asciiz "\nThanks, "
12: space: .asciiz " "
13: course_message: .asciiz "I see you like "
14: end_message: .asciiz " courses.\nThat is so great. That is all now. Thanks.\n"
15:
16: name: .word 0:19  # Storage for name
17: size: .word 20    #  max size
18:
19: discipline: .space 4  # 3-letter code + null terminator
20: course1: .word 0
21: course2: .word 0
22: course3: .word 0
23:
24: .text
25:
26:     # Prompt for user name
27:     li $v0, 4
28:     la $a0, greet
29:     syscall
30:
31:     # Read user name
32:     li $v0, 8
33:     la $a0, name
34:     lw $a1, size  # Load max size
35:     syscall
36:
37:     # Prompt for discipline
38:     li $v0, 4
39:     la $a0, discipline_prompt
40:     syscall
41:
42:     # Read discipline (3-letter code)
43:     li $v0, 8
44:     la $a0, discipline
45:     li $a1, 4  # 3-letter code + null terminator
46:     syscall
47:
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48:      # Prompt for course numbers one at a time
49:      li $v0, 4
50:      la $a0, course_prompt
51:      syscall
52:
53:      # Prompt and read first course number
54:      li $v0, 4
55:      la $a0, course1_prompt
56:      syscall
57:
58:      li $v0, 5  # Read integer
59:      syscall
60:      sw $v0, course1  # Store first course
61:
62:      # Prompt and read second course number
63:      li $v0, 4
64:      la $a0, course2_prompt
65:      syscall
66:
67:      li $v0, 5
68:      syscall
69:      sw $v0, course2  # Store second course
70:
71:      # Prompt and read third course number
72:      li $v0, 4
73:      la $a0, course3_prompt
74:      syscall
75:
76:      li $v0, 5
77:      syscall
78:      sw $v0, course3  # Store third course
79:
80:      # Print output message
81:      li $v0, 4
82:      la $a0, output_message
83:      syscall
84:
85:      # Print name
86:      li $v0, 4
87:      la $a0, name
88:      syscall
89:
90:      # Print course message
91:      li $v0, 4
92:      la $a0, course_message
93:      syscall
94:
95:      # Print discipline
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 96:     li $v0, 4
 97:     la $a0, discipline
 98:     syscall
 99:
100:      # Print space
101:      li $v0, 4
102:      la $a0, space
103:      syscall
104:
105:      # Print course numbers
106:      li $v0, 1
107:      lw $a0, course1
108:      syscall
109:
110:      # Print space
111:      li $v0, 4
112:      la $a0, space
113:      syscall
114:
115:      li $v0, 1
116:      lw $a0, course2
117:      syscall
118:
119:      # Print space
120:      li $v0, 4
121:      la $a0, space
122:      syscall
123:
124:      li $v0, 1
125:      lw $a0, course3
126:      syscall
127:
128:      # Print end message
129:      li $v0, 4
130:      la $a0, end_message
131:      syscall
132:
```