

1 Loops

Consider the following program:

```
1  section .data
2      list DB 1, 2, 3, 4
3
4  section .text
5      global _start
6      _start:
7          MOV eax, 0
8          MOV cl, 0
9
10         loop:
11             MOV bl, [list+eax]
12             ADD cl, bl
13
14             INC eax
15
16             CMP eax, 4
17             JGE end
18             JMP loop
19
20         end:
21             MOV eax, 1
22             INT 80h
```

The instruction **INC** increments the value in register **eax** by 1.

The program basically calculates the sum of all the elements of the list.