```
if (al >_10)
{
  bl = 0
}
else
{
  if (al > 15){ bl = 1}
  else { bl = -1}
}
```

```asm
.MODEL SMALL
.STACK 100H
.DATA
    ; DEFINE YOUR VARIABLES
.CODE
    MAIN PROC

        MOU AX, @DATA
        MOU DS, AX

        ; YOUR CODE STARTS HERE
        MOU AL, 2
        CMP AL, 10
        JG outter_if
        JMP outter_else

        outter_if:
        MOU BL, 0
        JMP block_exit
        outter_else:
        CMP AL, 5
        JG inner_if
        JMP inner_else
        inner_if:
        MOU BL, 1
        JMP block_exit

        inner_else:
        MOU BL, 1
        NEG BL
        JMP block_exit


        block_exit:
        ; YOUR CODE ENDS HERE

        MOU AX, 4C00H
        INT 21H
```

```asm
01  .MODEL SMALL
02  .STACK 100H
03  .DATA
04  ; DEFINE YOUR VARIABLES
05  .CODE
06  MAIN PROC
07
08  MOU AX, @DATA
09  MOU DS, AX
10
11  ; YOUR CODE STARTS HERE
12  MOU AL, 2
13  CMP AL, 10
14  JG outter_if
15  JMP outter_else
16
17  outter_if:
18  MOU BL, 0
19  JMP block_exit
20  outter_else:
21  CMP AL, 5
22  JG inner_if
23  JMP inner_else
24  inner_if:
25  MOU BL, 1
26  JMP block_exit
27
28  inner_else:
29  MOU BL, 1
30  NEG BL
31  JMP block_exit
32
33
34  block_exit:
```