**Ex. No: 3**

**Sum of first ‘n’ natural numbers**

ORG 0000H ; Origin directive, sets the starting address to 0000H

MOV A, #10H ; Load the accumulator (A) with the first number (10H)

MOV R0, #20H ; Load register R0 with the second number (20H)

MOV R1, #30H ; Load register R1 with the third number (30H)

ADD A, R0 ; Add the value in register R0 to the accumulator (A)

ADD A, R1 ; Add the value in register R1 to the accumulator (A)

; The result of the addition is now in the accumulator (A)

END ; End of the program