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Lab Assignment-2

Course Code: CSE 316

Course Title: Microprocessor and Microcontroller Lab

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Intake :39

Section: 01

Program:B.Sc. in CSE

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**Problem:**

Write an assembly code to print the sum of all numbers from 1 to N (using loops). Where N is a user input number. To find the sum, use a different procedure other than main.

**Objective:**

♦ To write code in assembly language and know the sum of all numbers from 1 to N.

**Source code:**

.MODEL SMALL

.STACK 100h

.DATA

A DW 1

Addition DW ?

.CODE

MAIN PROC

MOV AX,@DATA

MOV DS,AX

MOV AH,01H

INT 21H

SUB AL,48

MOV CX,0

MOV CL,AL

MOV BX,0

SUM: ; It’s a level.

ADD BX,A

INC A

LOOP SUM

MOV Addition,BX

MAIN ENDP

END MAIN

RET

**Output:**





