



# **Indian Institute of Information Technology Sonapat**

## **COMPUTER ORGANIZATION (CSL-308)**

Submitted To  
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# EXPERIMENT-11

## AIM

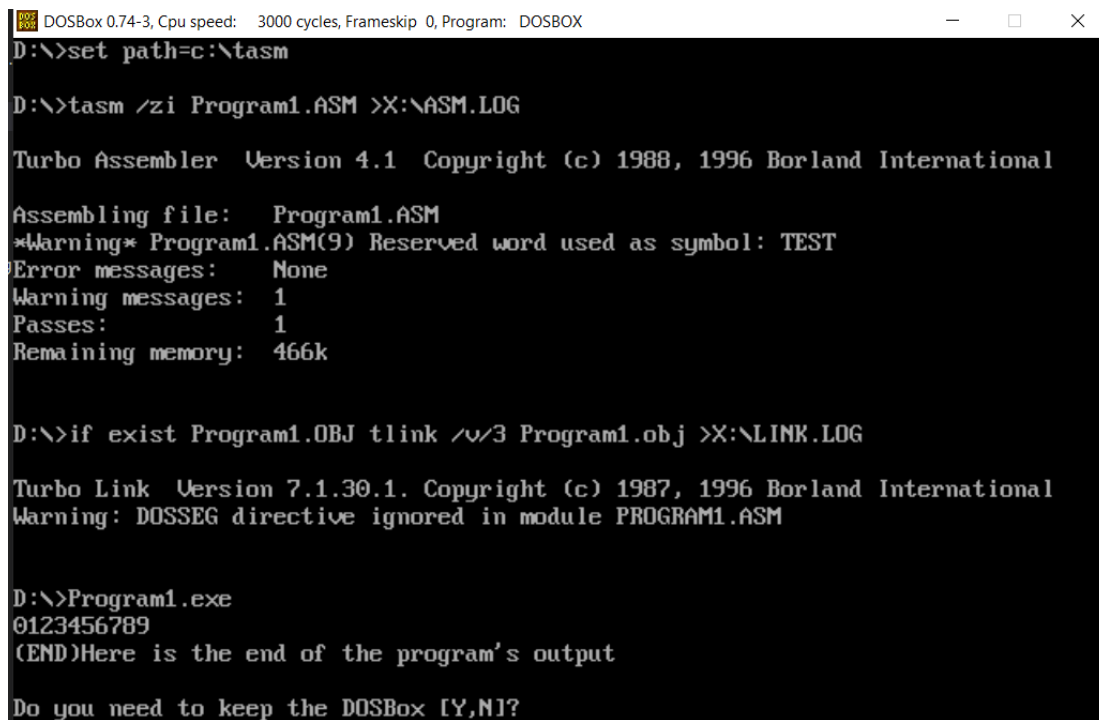
To print numbers from 0 to 9 in assembly language using loops concept.

## CODE

```
dosseg
.model small
.stack 100h
.data
.code
main proc
mov cx, 10
mov dx, 48
Test:
mov ah, 2
int 21h
add dx, 1
loop Test

mov ah, 4ch
int 21h
main endp
end main
```

## OUTPUT



DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX

```
D:\>set path=c:\tasm

D:\>tasm /zi Program1.ASM >X:\ASM.LOG

Turbo Assembler Version 4.1 Copyright (c) 1988, 1996 Borland International

Assembling file: Program1.ASM
*Warning* Program1.ASM(9) Reserved word used as symbol: TEST
Error messages: None
Warning messages: 1
Passes: 1
Remaining memory: 466k

D:\>if exist Program1.OBJ tlink /v/3 Program1.obj >X:\LINK.LOG

Turbo Link Version 7.1.30.1. Copyright (c) 1987, 1996 Borland International
Warning: DOSSEG directive ignored in module PROGRAM1.ASM

D:\>Program1.exe
0123456789
(END)Here is the end of the program's output

Do you need to keep the DOSBox [Y,N]?
```

