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Lab assignment-1

Course Code: CSE 316

Course Title: Microprocessor and Microcontroller Lab

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Intake :39

Section: 01

Program:B.Sc. in CSE

Semester: Summer 2020

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Date of Submission: 01.09.2020

**Problem:**

Write an assembly program to take two integer input and print the greater digit. (only single digit input).

**Objective:**

♦ To write code in assembly language and know the greatest between two numbers.

**Source code:**

.MODEL SMALL

.STACK 100H

.DATA

a db 'Enter the First digit: $'

b db 10,13,'Enter the second Digit: $'

c db 10,13,'The greater digit is: $'

.CODE

MAIN PROC

mov ax,@data

mov ds,ax

mov ah,9

lea dx,a

int 21h

mov ah,1

int 21h

mov bl,al

mov ah,9

lea dx,b

int 21h

mov ah,1

int 21h

mov bh,al

mov ah,9

lea dx,c

int 21h

cmp bl,bh

jg One

jmp Two

One:

mov ah,2

mov dl,bl

int 21h

jmp Exit

Two:

mov ah,2

mov dl,bh

int 21h

Exit:

main endp

end main

**Output:**

