**Roll: 1710013**

**Lab Task**

**1.Input: 1 2 3 4**

**Output:**

**1**

**2**

**3**

**4**

**Code:**

TITLE INPUT OUTPUT CODE

.MODEL SMALL

.STACK 100H

.DATA

A DB "ENTER ANY FOUR NUMBERS: $"

.CODE

MAIN PROC

MOV AX,@DATA

MOV DS,AX

MOV AH,9

LEA DX,A

INT 21H

MOV AH,1

INT 21H ;1st Input

MOV BL,AL

MOV AH,1 ;2nd Input

INT 21H

MOV BH,AL

MOV AH,1

INT 21H ;3rd Input

MOV CL,AL

MOV AH,1

INT 21H ;4th Input

MOV CH,AL

MOV AH,2

MOV DL,10

INT 21H ;New Line

MOV DL,13

INT 21H

MOV AH,2

MOV DL,BL ;1st Output

INT 21H

MOV AH,2

MOV DL,10

INT 21H ;New Line

MOV DL,13

INT 21H

MOV AH,2

MOV DL,BH ;2nd Output

INT 21H

MOV AH,2

MOV DL,10 ;New Line

INT 21H

MOV DL,13

INT 21H

MOV AH,2

MOV DL,CL ;3rd Output

INT 21H

MOV AH,2

MOV DL,10

INT 21H ;New Line

MOV DL,13

INT 21H

MOV AH,2

MOV DL,CH ;4th Output

INT 21H

EXIT:

MOV AH,4CH

INT 21H

MAIN ENDP

END MAIN

1. **Input 1\*2\*3\*4**

**Output: Multiplication**

**Code:**

TITLE INPUT OUTPUT CODE

.MODEL SMALL

.STACK 100H

.DATA

A DB "ENTER ANY FOUR NUMBERS: $"

.CODE

MAIN PROC

MOV AX,@DATA

MOV DS,AX

MOV AH,9

LEA DX,A

INT 21H

MOV AH,1

INT 21H ;1st Input

MOV BL,AL

MOV AH,1 ;2nd Input

INT 21H

MOV BH,AL

MOV AH,1

INT 21H ;3rd Input

MOV CL,AL

MOV AH,1

INT 21H ;4th Input

MOV CH,AL

Mul CL,CH ;multiplication

Mul BH,CL

Mul BL,BH

MOV AH,2

MOV DL,10

INT 21H ;New Line

MOV DL,13

INT 21H

MOV AH,2

MOV DL,BL ; Output

INT 21H

EXIT:

MOV AH,4CH

INT 21H

MAIN ENDP

END MAIN