EXPERMENT-5A

NAME:Rahul Goel

Reg no:RA1911030010094

Aim: ADDITION OF TWO 16-BIT NUMBERS

Code:

data segment

N1 dw 4004h

N2 dw 1001h

Res dw ?

data ends

code segment

assume cs:code,ds:data

start:

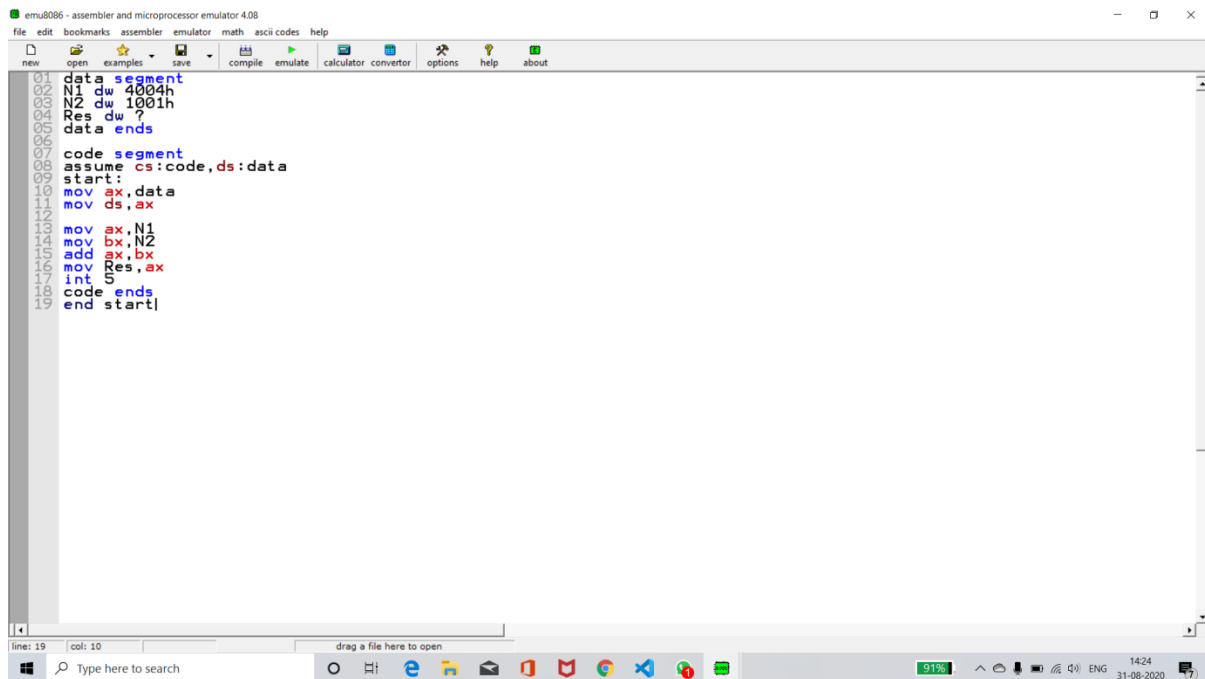mov ax,data

mov ds,ax

mov ax,N1

mov bx,N2

add ax,bx

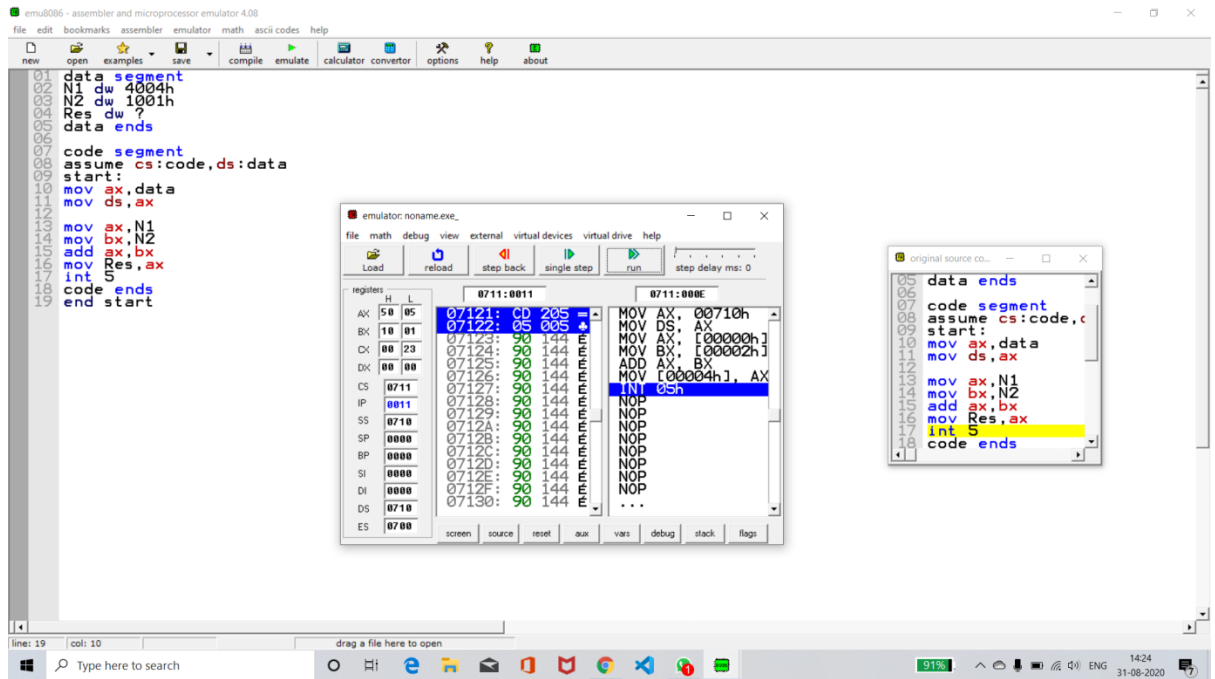mov Res,ax

int 5

code ends

end start

Code in EMU8086:

```
01 data segment
02 N1 dw 4004h
03 N2 dw 1001h
04 Res dw ?
05 data ends
06
07 code segment
08 assume cs:code,ds:data
09 start:
10 mov ax,data
11 mov ds,ax
12
13 mov ax,N1
14 mov bx,N2
15 add ax,bx
16 mov Res,ax
17 int 5
18 code ends
19 end start|
```

Output:

AX value is 5005