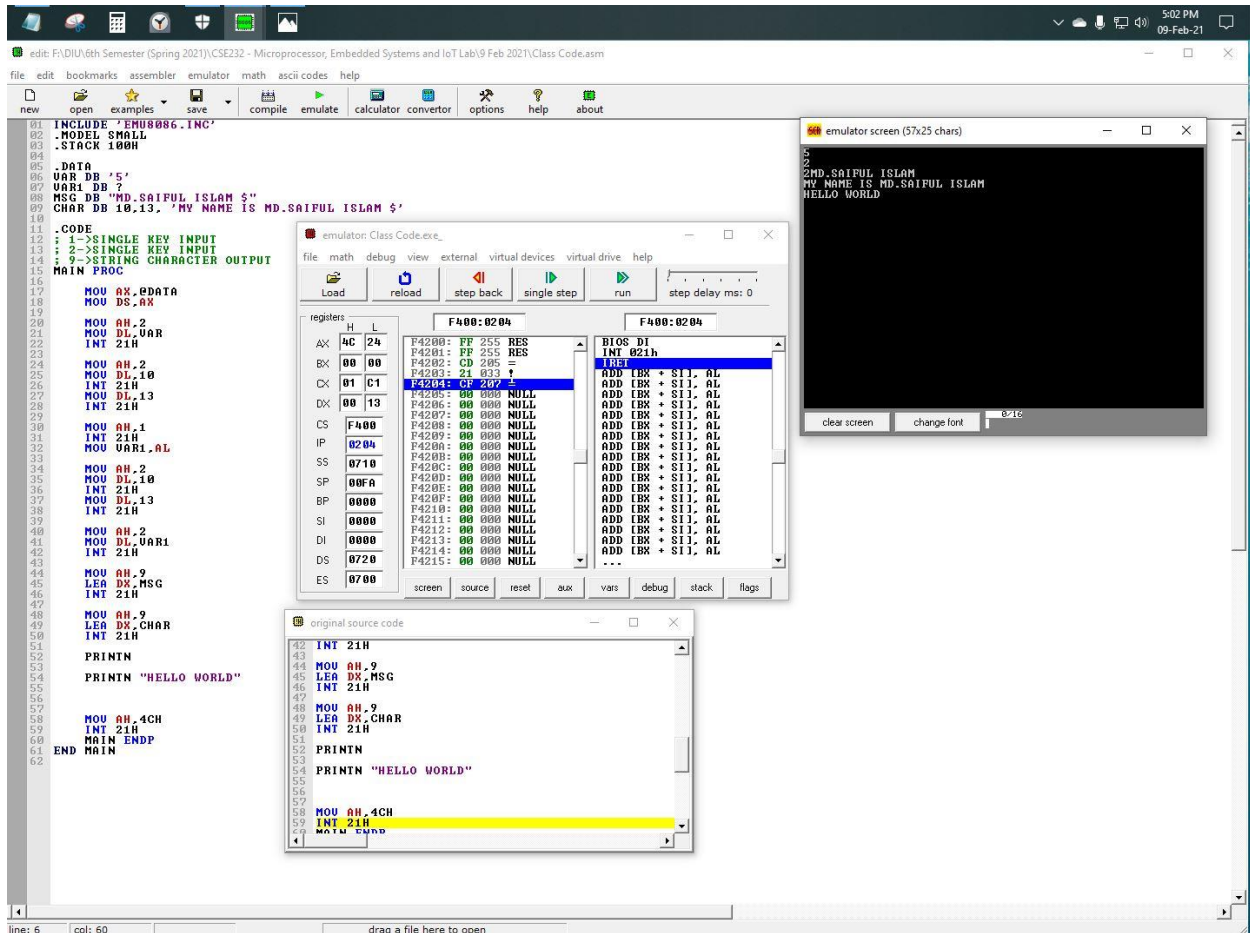
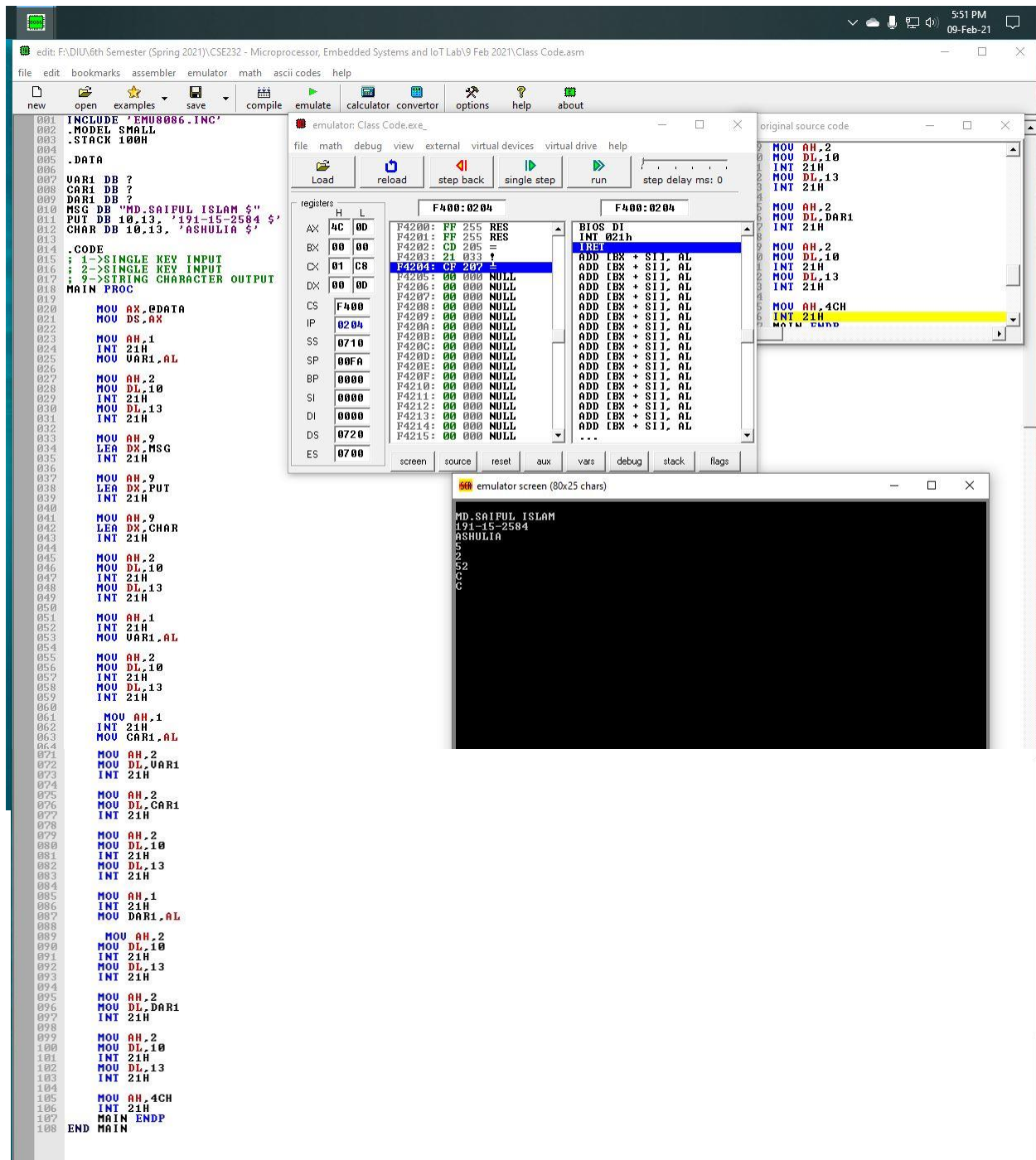


Screenshot of Today's Lab class:



Write a function to display your Details (Name, ID, Address, Batch, Section)
[From User by Input]



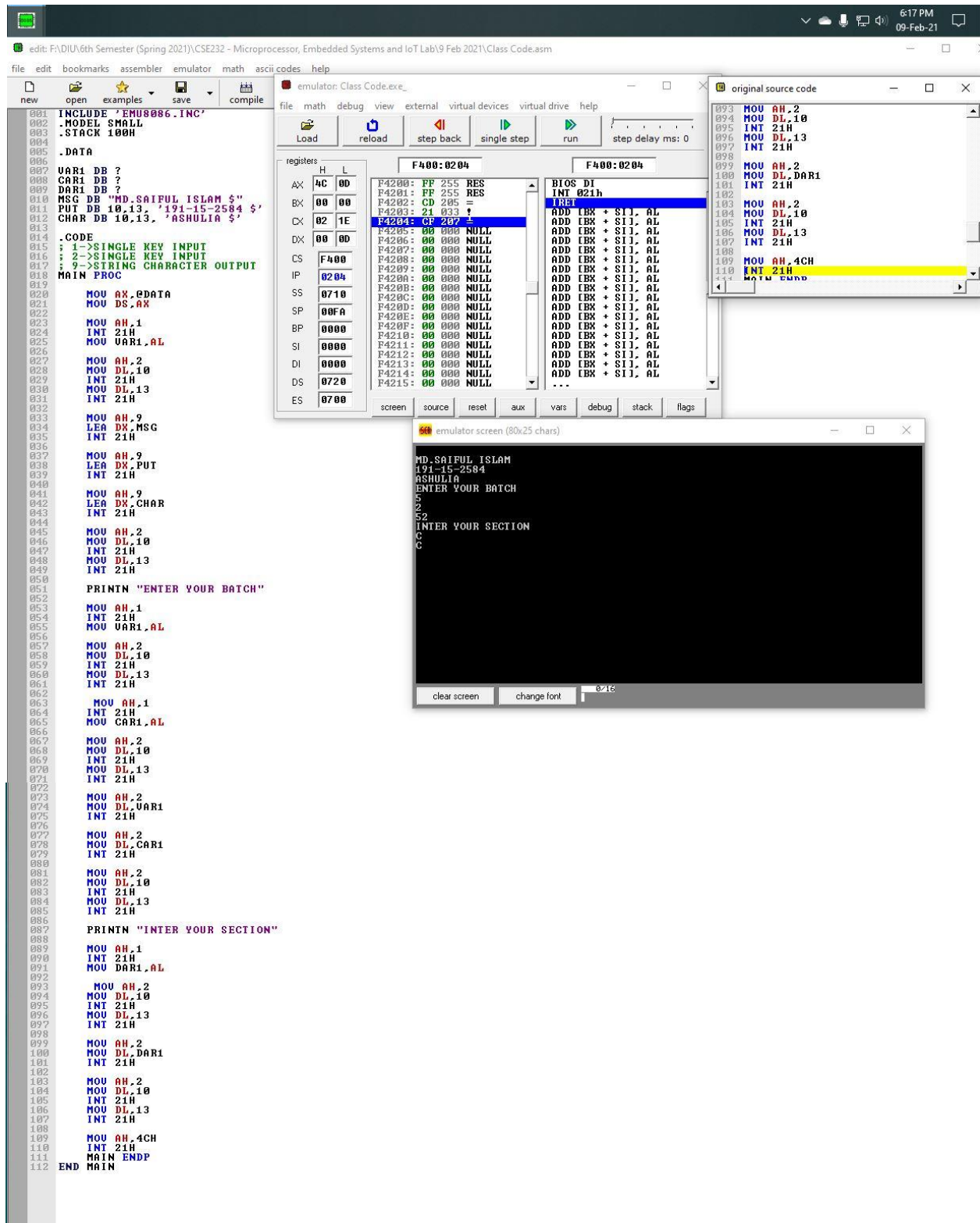
The screenshot displays an 8086 assembly code editor and emulator. The main window shows the assembly code for a program that reads user input and displays details. The code is as follows:

```
0001 INCLUDE 'EMU8086.INC'
0002 .MODEL SMALL
0003 .STACK 100H
0004
0005 .DATA
0006
0007 UAR1 DB ?
0008 CAR1 DB ?
0009 DAR1 DB ?
0010 MSG DB 'MD.SAIFUL ISLAM $'
0011 PUT DB 10,13, '191-15-2584 $'
0012 CHAR DB 10,13, 'ASHULIA $'
0013
0014 .CODE
0015 : 1->SINGLE KEY INPUT
0016 : 2->SINGLE KEY INPUT
0017 : 9->STRING CHARACTER OUTPUT
0018 MAIN PROC
0019
0020     MOV AX,EDATA
0021     MOV DS,AX
0022
0023     MOV AH,1
0024     INT 21H
0025     MOV UAR1,AL
0026
0027     MOV AH,2
0028     MOV DL,10
0029     INT 21H
0030     MOV DL,13
0031     INT 21H
0032
0033     MOV AH,9
0034     LEA DX,MSG
0035     INT 21H
0036
0037     MOV AH,9
0038     LEA DX,PUT
0039     INT 21H
0040
0041     MOV AH,9
0042     LEA DX,CHAR
0043     INT 21H
0044
0045     MOV AH,2
0046     MOV DL,10
0047     INT 21H
0048     MOV DL,13
0049     INT 21H
0050
0051     MOV AH,1
0052     INT 21H
0053     MOV UAR1,AL
0054
0055     MOV AH,2
0056     MOV DL,10
0057     INT 21H
0058     MOV DL,13
0059     INT 21H
0060
0061     MOV AH,1
0062     INT 21H
0063     MOV CAR1,AL
0064
0065     MOV AH,2
0066     MOV DL,VAR1
0067     INT 21H
0068
0069     MOV AH,2
0070     MOV DL,CAR1
0071     INT 21H
0072
0073     MOV AH,2
0074     MOV DL,10
0075     INT 21H
0076     MOV DL,13
0077     INT 21H
0078
0079     MOV AH,2
0080     MOV DL,10
0081     INT 21H
0082     MOV DL,13
0083     INT 21H
0084
0085     MOV AH,1
0086     INT 21H
0087     MOV DAR1,AL
0088
0089     MOV AH,2
0090     MOV DL,10
0091     INT 21H
0092     MOV DL,13
0093     INT 21H
0094
0095     MOV AH,2
0096     MOV DL,DAR1
0097     INT 21H
0098
0099     MOV AH,2
0100     MOV DL,10
0101     INT 21H
0102     MOV DL,13
0103     INT 21H
0104
0105     MOV AH,4CH
0106     INT 21H
0107 MAIN ENDP
0108 END MAIN
```

The emulator window shows the execution of the code. The output is displayed in a separate window titled "emulator screen (80x25 chars)". The output is as follows:

```
MD.SAIFUL ISLAM
191-15-2584
ASHULIA
5
2
52
C
C
```

Write a function to display your Details (Name, ID, Address, Batch, Section) [By Print]



```
0001 INCLUDE 'EMU8086.INC'
0002 .MODEL SMALL
0003 .STACK 100H
0004
0005 .DATA
0006
0007 VAR1 DB ?
0008 CAR1 DB ?
0009 DAR1 DB ?
0010 MSG DB "MD.SAIFUL ISLAM $"
0011 PUT DB 10,13, '191-15-2584 $'
0012 CHAR DB 10,13, 'ASHULIA $'
0013
0014 .CODE
0015 ; 1->SINGLE KEY INPUT
0016 ; 2->SINGLE KEY INPUT
0017 ; 9->STRING CHARACTER OUTPUT
0018 MAIN PROC
0019
0020     MOV AX, @DATA
0021     MOV DS, AX
0022
0023     MOV AH, 1
0024     INT 21H
0025     MOV VAR1, AL
0026
0027     MOV AH, 2
0028     MOV DL, 10
0029     INT 21H
0030     MOV DL, 13
0031     INT 21H
0032
0033     MOV AH, 9
0034     LEA DX, MSG
0035     INT 21H
0036
0037     MOV AH, 9
0038     LEA DX, PUT
0039     INT 21H
0040
0041     MOV AH, 9
0042     LEA DX, CHAR
0043     INT 21H
0044
0045     MOV AH, 2
0046     MOV DL, 10
0047     INT 21H
0048     MOV DL, 13
0049     INT 21H
0050
0051     PRINTN "ENTER YOUR BATCH"
0052
0053     MOV AH, 1
0054     INT 21H
0055     MOV VAR1, AL
0056
0057     MOV AH, 2
0058     MOV DL, 10
0059     INT 21H
0060     MOV DL, 13
0061     INT 21H
0062
0063     MOV AH, 1
0064     INT 21H
0065     MOV CAR1, AL
0066
0067     MOV AH, 2
0068     MOV DL, 10
0069     INT 21H
0070     MOV DL, 13
0071     INT 21H
0072
0073     MOV AH, 2
0074     MOV DL, VAR1
0075     INT 21H
0076
0077     MOV AH, 2
0078     MOV DL, CAR1
0079     INT 21H
0080
0081     MOV AH, 2
0082     MOV DL, 10
0083     INT 21H
0084     MOV DL, 13
0085     INT 21H
0086
0087     PRINTN "ENTER YOUR SECTION"
0088
0089     MOV AH, 1
0090     INT 21H
0091     MOV DAR1, AL
0092
0093     MOV AH, 2
0094     MOV DL, 10
0095     INT 21H
0096     MOV DL, 13
0097     INT 21H
0098
0099     MOV AH, 2
0100     MOV DL, DAR1
0101     INT 21H
0102
0103     MOV AH, 2
0104     MOV DL, 10
0105     INT 21H
0106     MOV DL, 13
0107     INT 21H
0108
0109     MOV AH, 4CH
0110     INT 21H
0111 MAIN ENDP
0112 END MAIN
```

original source code

```
0093 MOV AH, 2
0094 MOV DL, 10
0095 INT 21H
0096 MOV DL, 13
0097 INT 21H
0098
0099 MOV AH, 2
0100 MOV DL, DAR1
0101 INT 21H
0102
0103 MOV AH, 2
0104 MOV DL, 10
0105 INT 21H
0106 MOV DL, 13
0107 INT 21H
0108
0109 MOV AH, 4CH
0110 INT 21H
0111
0112
```

emulator screen (80x25 chars)

```
MD.SAIFUL ISLAM
191-15-2584
ASHULIA
ENTER YOUR BATCH
5
2
52
ENTER YOUR SECTION
C
C
```