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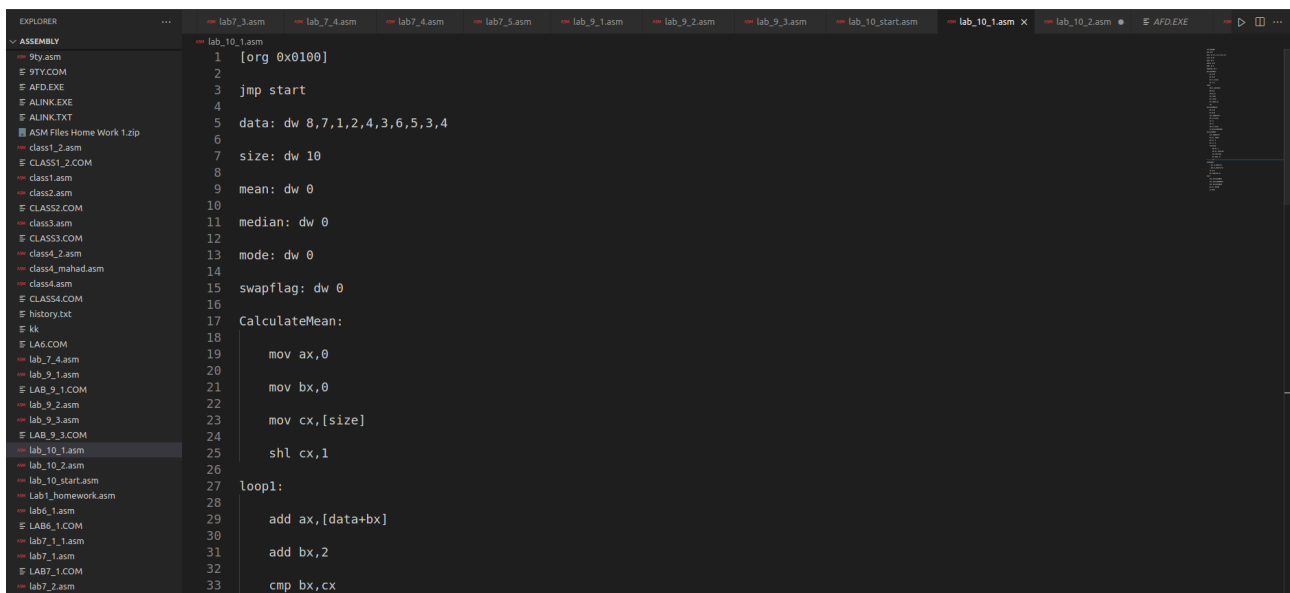
Roll No: 20P-0101

Subject: Computer Organization And Assembly Language

Lab Task No: 10

Submitted To Respected Sir: Khurram Shahzad

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```
28
29     add ax,[data+bx]
30
31     add bx,2
32
33     cmp bx,cx
34
35     jne loop1
36
37     div [size]
38
39     mov [mean],ax
40
41     ret
42
43 CalculateMedian:
44
45     mov ax,0
46
47     mov bx,0
48
49     call bubblesort
50
51     mov cx,[size]
52
53     shr cx
54
55     shl cx
56
57     cmp cx,[size]
```



```
56
57     cmp cx,[size]
58
59     je CalculateMinMean
60
61 CalculateMode:
62
63     call bubblesort
64
65     mov ax, [data]
66
67     mov bx, 0
68
69     mov cx, 0
70
71     innerloop:
72
73         add bx, 2
74
75         cmp ax, [data+bx]
76
77         jne innerloop
78
79         mov mode, ax
80
81         ret
82
```

```
77         jne innerloop
78
79         mov mode, ax
80
81         ret
82
83 calMinMean:
84
85         mov ax,[data+cx]
86
87         add ax,[data+cx-2]
88
89         shr ax,1
90
91         mov [mediana],ax
92
```

```
92
93  start:
94      call CalculateMean
95      call CalculateMedian
96      call CalculateMode
97
98
99
100
101  mov ax, 0x4c00
102
103  int 0x21
104
```