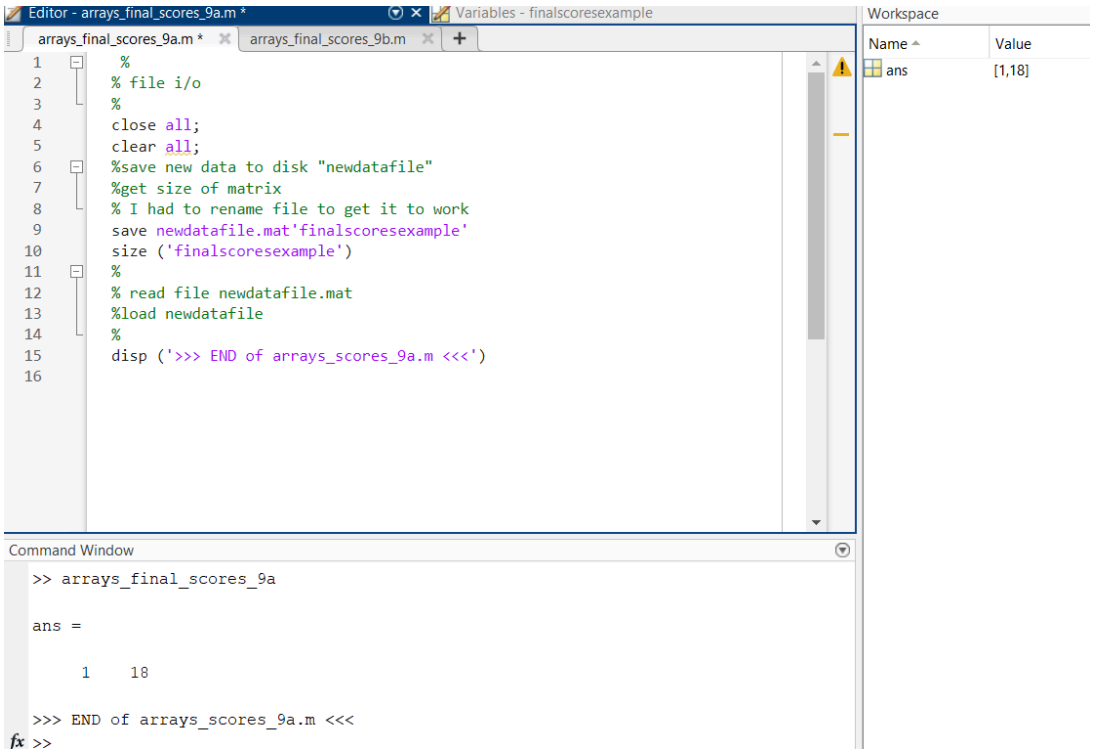
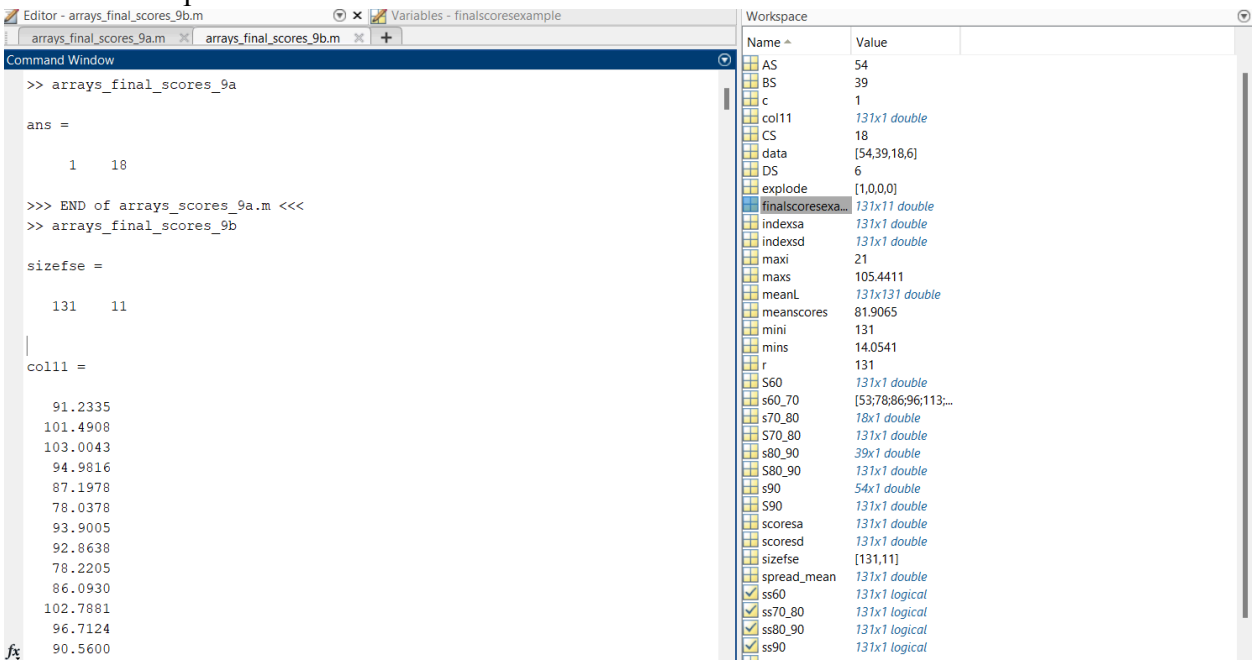
ECE 101 Matlab Assignment #5
September 29, 2024

Part A



The results of part B



Part A gave results only for the matrix size, while Array, after editing the code
The first time I tried to run the code itself, it couldn't detect the file I wanted to read and tell me the data, so I had to add some practice for it to run properly.

PartB gave us all the information and data calculations for the total, average, min, max, etc.
I could get the full picture of Part B, So I copied and pasted the data down right below, showcasing all the results given on Part B when I ran the code.

```
>> arrays_final_scores_9a

ans =

     1    18

>>> END of arrays_scores_9a.m <<<
>> arrays_final_scores_9b

sizefse =

   131    11


col11 =

   91.2335
  101.4908
  103.0043
   94.9816
   87.1978
   78.0378
   93.9005
   92.8638
   78.2205
   86.0930
  102.7881
   96.7124
   90.5600
  103.5578
   86.3514
   99.6259
   74.1708
```

91.3135
31.4314
85.2876
105.4411
98.2303
101.7935
83.0130
99.5622
85.9243
70.6886
99.6865
81.1676
102.8422
88.2032
83.8346
75.7297
93.7114
92.1622
76.2843
95.2605
86.3092
81.8108
95.8876
101.7200
75.8411
94.0670
26.5222
50.0541
81.8714
93.6432
81.6173
84.0724
20.0000
89.2281
90.0141
67.7027
88.8714
103.5978
84.2605
92.4281

90.4724
58.6335
93.1308
76.4508
84.6584
92.2130
91.9005
97.7124
75.5276
75.9470
94.2141
99.4908
81.2519
81.3730
104.3070
74.8108
77.7568
93.2249
87.5341
96.8432
63.0865
92.7968
90.0984
81.1351
97.8335
80.8584
92.9914
83.9427
65.1892
80.2162
84.4638
83.6530
88.5686
99.0768
84.6984
74.9232
81.0854
73.6389
65.6000
80.8335

86.3784
81.2389
88.1708
86.5232
36.0714
56.8292
77.6032
72.5795
86.3924
82.5546
42.5946
23.7838
90.8097
41.6216
93.8443
68.0789
62.4184
70.7157
87.3286
74.2962
96.2897
93.2941
91.2649
90.6086
20.0897
103.6897
98.6076
94.8649
91.9373
41.8638
37.0270
88.6876
93.6216
14.0541

r =

131

c =

1

scoresa =

14.0541
20.0000
20.0897
23.7838
26.5222
31.4314
36.0714
37.0270
41.6216
41.8638
42.5946
50.0541
56.8292
58.6335
62.4184
63.0865
65.1892
65.6000
67.7027
68.0789
70.6886
70.7157
72.5795
73.6389
74.1708
74.2962
74.8108
74.9232
75.5276
75.7297
75.8411
75.9470

76.2843
76.4508
77.6032
77.7568
78.0378
78.2205
80.2162
80.8335
80.8584
81.0854
81.1351
81.1676
81.2389
81.2519
81.3730
81.6173
81.8108
81.8714
82.5546
83.0130
83.6530
83.8346
83.9427
84.0724
84.2605
84.4638
84.6584
84.6984
85.2876
85.9243
86.0930
86.3092
86.3514
86.3784
86.3924
86.5232
87.1978
87.3286
87.5341
88.1708

88.2032
88.5686
88.6876
88.8714
89.2281
90.0141
90.0984
90.4724
90.5600
90.6086
90.8097
91.2335
91.2649
91.3135
91.9005
91.9373
92.1622
92.2130
92.4281
92.7968
92.8638
92.9914
93.1308
93.2249
93.2941
93.6216
93.6432
93.7114
93.8443
93.9005
94.0670
94.2141
94.8649
94.9816
95.2605
95.8876
96.2897
96.7124
96.8432
97.7124

97.8335
98.2303
98.6076
99.0768
99.4908
99.5622
99.6259
99.6865
101.4908
101.7200
101.7935
102.7881
102.8422
103.0043
103.5578
103.5978
103.6897
104.3070
105.4411

indexsa =

131
50
122
109
44
19
102
128
111
127
108
45
103
59
114
78
86

96
53
113
27
115
105
95
17
117
73
93
66
33
42
67
36
61
104
74
6
9
87
97
83
94
81
29
99
70
71
48
39
46
107
24
89
32
85
49
56

88
62
92
20
26
10
38
15
98
106
101
5
116
76
100
31
90
129
54
51
52
80
58
13
121
110
1
120
18
64
126
35
63
57
79
8
84
60
75
119

130
47
34
112
7
43
68
125
4
37
40
118
12
77
65
82
22
124
91
69
25
16
28
2
41
23
11
30
3
14
55
123
72
21

scoresd =

105.4411
104.3070

103.6897
103.5978
103.5578
103.0043
102.8422
102.7881
101.7935
101.7200
101.4908
99.6865
99.6259
99.5622
99.4908
99.0768
98.6076
98.2303
97.8335
97.7124
96.8432
96.7124
96.2897
95.8876
95.2605
94.9816
94.8649
94.2141
94.0670
93.9005
93.8443
93.7114
93.6432
93.6216
93.2941
93.2249
93.1308
92.9914
92.8638
92.7968
92.4281
92.2130

92.1622
91.9373
91.9005
91.3135
91.2649
91.2335
90.8097
90.6086
90.5600
90.4724
90.0984
90.0141
89.2281
88.8714
88.6876
88.5686
88.2032
88.1708
87.5341
87.3286
87.1978
86.5232
86.3924
86.3784
86.3514
86.3092
86.0930
85.9243
85.2876
84.6984
84.6584
84.4638
84.2605
84.0724
83.9427
83.8346
83.6530
83.0130
82.5546
81.8714

81.8108
81.6173
81.3730
81.2519
81.2389
81.1676
81.1351
81.0854
80.8584
80.8335
80.2162
78.2205
78.0378
77.7568
77.6032
76.4508
76.2843
75.9470
75.8411
75.7297
75.5276
74.9232
74.8108
74.2962
74.1708
73.6389
72.5795
70.7157
70.6886
68.0789
67.7027
65.6000
65.1892
63.0865
62.4184
58.6335
56.8292
50.0541
42.5946
41.8638

41.6216
37.0270
36.0714
31.4314
26.5222
23.7838
20.0897
20.0000
14.0541

indexsd =

21
72
123
55
14
3
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11
23
41
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16
25
69
91
124
22
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65
77
12
118
40
37
4
125

68
43
7
112
34
47
130
119
75
60
84
8
79
57
63
35
126
64
18
120
1
110
121
13
58
80
52
51
54
129
90
31
100
76
116
5
101
106
98
15

38
10
26
20
92
62
88
56
49
85
32
89
24
107
46
39
48
71
70
99
29
81
94
83
97
87
9
6
74
104
61
36
67
42
33
66
93
73
117
17

```
    95
   105
   115
    27
   113
    53
    96
    86
    78
   114
    59
   103
    45
   108
   127
   111
   128
   102
    19
    44
   109
   122
    50
   131


maxs =

  105.4411


maxi =

    21


mins =

   14.0541
```

```
mini =

   131


AS =

    54


BS =

    39


CS =

    18


DS =

     6

>>> END of arrays_final_scores_9b.m <<<
>>
```