

## DAA Lab-2

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### Max and Min problem

When I tried with 6 elements-

```
Enter number of elements : 6
Enter the elements:
2
3
4
5
6
7
[2, 3, 4, 5, 6, 7]
Given array is
2 3 4 5 6 7

Maximum element is 7
Minimum element is 2
```

When I tried with larger number of elements to find time complexity-

```
10000 Elements used in Max and Min 0.023055000000006487
20000 Elements used in Max and Min 0.038969000000001586
30000 Elements used in Max and Min 0.056509999999999584
/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:56: DeprecationWarning: time.clock has been deprecated in Python 3.7 and
/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:58: DeprecationWarning: time.clock has been deprecated in Python 3.7 and
40000 Elements used in Max and Min 0.072340999999999444
50000 Elements used in Max and Min 0.05915800000000036
60000 Elements used in Max and Min 0.064906999999999805
70000 Elements used in Max and Min 0.077033000000000013
80000 Elements used in Max and Min 0.089061999999999842
90000 Elements used in Max and Min 0.109823999999999615
```



