

```
1 C:\Users\kweku\AppData\Local\Programs\Python\Python38\python.exe C:/
  Users/kweku/PycharmProjects/asgn2/search.py
2 -----
3 Binary Search
4 -----
5 Target not found
6 Target not found
7 Target not found
8 Target not found
9 Target not found
10 Average time for Binary search(N=100): 0.2 milliseconds
11
12 Target not found
13 Target not found
14 Target not found
15 Target not found
16 Target not found
17 Average time for Binary search(N=1000): 0.3 milliseconds
18
19 Target not found
20 Target found at Position 189
21 Target found at Position 202
22 Target not found
23 Target not found
24 Average time for Binary search(N=5000): 0.93 milliseconds
25
26 -----
27 Interpolation Search
28 -----
29 Target not found
30 Target not found
31 Target not found
32 Target not found
33 Target not found
34 Average time for Interpolation search(N=100): 0.93 milliseconds
35
36 Target not found
37 Target not found
38 Target not found
39 Target not found
40 Target not found
41 Average time for Interpolation search(N=100): 0.93 milliseconds
42
43 Target not found
44 Target not found
45 Target not found
46 Target not found
47 Target not found
48 Average time for Interpolation search(N=100): 0.93 milliseconds
49
50 RESULTS
51 | Binary Search | Interpolation Search |
52 100 | [0.2] | [0.0] |
53 1000 | [0.3] | [0.2] |
54 5000 | [0.93] | [0.8653333333333334] |
55
56 Process finished with exit code 0
```