DAA Lab-1 Outputs

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kshitij@kshitij: ~/Documents/DAA/lab1

kshitij@kshitij:~/Documents/DAA/lab1$ g++ -std=c++14 comparison.cpp
kshitij@kshitij:~/Documents/DAA/lab1$ ./a.out
Enter array size : 50

Element found at 8 position
Element found : 20543
Element found at 15 position
Element found : 34568
Element found at 9 position
Element found : 26047
Element found at 39 position
Element found : 75202
Element found at 21 position
Element found : 33331
Element found at 24 position
Element found : 43455
Element found at 48 position
Element found : 98173
Element found at 11 position
Element found : 24330
Element found at 44 position
Element found : 90149
Element found at 47 position
Element found : 92320

Average Comparisons in Linear search : 26
Average Comparisons in Binary search : 4
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kshitij@kshitij:~/Documents/DAA/lab1$ g++ -std=c++14 comparison.cpp
kshitij@kshitij:~/Documents/DAA/lab1$ ./a.out
Enter array size : 100

Element found at 14 position
Element found : 11422
Element found at 46 position
Element found : 38499
Element found at 66 position
Element found : 67471
Element found at 13 position
Element found : 11238
Element found at 35 position
Element found : 29938
Element found at 81 position
Element found : 74543
Element found at 10 position
Element found : 17701
Element found at 68 position
Element found : 67621
Element found at 37 position
Element found : 35156
Element found at 93 position
Element found : 90938

Average Comparisons in Linear search : 46
Average Comparisons in Binary search : 5
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kshitij@kshitij:~/Documents/DAA/lab1$ g++ -std=c++14 comparison.cpp
kshitij@kshitij:~/Documents/DAA/lab1$ ./a.out
Enter array size : 150

Element found at 149 position
Element found : 97229
Element found at 65 position
Element found : 50141
Element found at 20 position
Element found : 11737
Element found at 64 position
Element found : 36864
Element found at 92 position
Element found : 58311
Element found at 111 position
Element found : 74969
Element found at 86 position
Element found : 61770
Element found at 87 position
Element found : 56776
Element found at 147 position
Element found : 98887
Element found at 17 position
Element found : 10448

Average Comparisons in Linear search : 83
Average Comparisons in Binary search : 6
kshitij@kshitij:~/Documents/DAA/lab1$
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```
kshitij@kshitij:~/Documents/DAA/lab1$ g++ -std=c++14 comparison.cpp
kshitij@kshitij:~/Documents/DAA/lab1$ ./a.out
Enter array size : 200

Element found at 49 position
Element found : 20191
Element found at 23 position
Element found : 11388
Element found at 84 position
Element found : 40144
Element found at 171 position
Element found : 89227
Element found at 131 position
Element found : 65876
Element found at 152 position
Element found : 77830
Element found at 71 position
Element found : 35056
Element found at 109 position
Element found : 52723
Element found at 134 position
Element found : 67377
Element found at 6 position
Element found : 1477

Average Comparisons in Linear search : 93
Average Comparisons in Binary search : 6
kshitij@kshitij:~/Documents/DAA/lab1$
```