1: For manual entry of N value and array elements.
2: To display time taken for sorting number of elements N in the range 500 to
3: exit.
Enter your choice:2

Time taken to sort 500 numbers is 0.002479 secs.

Time taken to sort 1500 numbers is 0.010604 secs.

Time taken to sort 2500 numbers is 0.027029 secs.

Time taken to sort 3500 numbers is 0.037061 secs.

Time taken to sort 4500 numbers is 0.054076 secs.

Time taken to sort 5500 numbers is 0.080660 secs.

Time taken to sort 6500 numbers is 0.115451 secs.

Time taken to sort 7500 numbers is 0.142874 secs.

Time taken to sort 8500 numbers is 0.187907 secs.

Time taken to sort 9500 numbers is 0.239211 secs.

Time taken to sort 10500 numbers is 0.287160 secs.

Time taken to sort 11500 numbers is 0.373901 secs.

Time taken to sort 12500 numbers is 0.488275 secs.

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Time taken to sort 9500 numbers is 0.239211 secs.

Time taken to sort 10500 numbers is 0.287160 secs.

Time taken to sort 11500 numbers is 0.373901 secs.

Time taken to sort 12500 numbers is 0.488275 secs.

Time taken to sort 13500 numbers is 0.511170 secs.

Time taken to sort 14500 numbers is 0.613910 secs.
1: For manual entry of N value and array elements.
2: To display time taken for sorting number of elements N in the
3: exit.
Enter your choice:1
Enter size of array:
5
Enter the elements to sort in the array:
23 98 1 45 76
Sorted array: 1 23 45 76 98

 Time taken to sort 5 numbers is 0.000003 secs.

1: For manual entry of N value and array elements.
GDB 2: To display time taken for sorting number of elements N in the
3: exit.
Enter your choice:
```