

C:\Users\PC\Documents\prime college\Fifth Semester\samyak manandhar\DAA\8.exe

```
Original Array: 31 39 17 33 31 97 35 14 70 12
Sorted Array: 12 14 17 31 31 33 35 39 70 97
Number of swaps: 28
Do you want to sort another array? (y/n): n
Exiting the program!
```

```
-----
Process exited after 11 seconds with return value 0
Press any key to continue . . .
```

C:\Users\PC\Documents\prime college\Fifth Semester\samyak manandhar\DAA\7.exe

```
Original Array: 41 78 68 16 9 12 19 53 31 19
Sorted Array: 9 12 16 19 19 31 41 53 68 78
Number of swaps: 16
Do you want to sort another array? (y/n): n
Exiting the program!
```

```
-----
Process exited after 27.32 seconds with return value 0
Press any key to continue . . .
```

C:\Users\PC\Documents\prime college\Fifth Semester\samyak manandhar\DAA\6.exe

```
Original Array: 1 42 66 99 100 5 71 43 92 24
Sorted Array: 1 5 24 42 43 66 71 92 99 100
Number of shifts: 19
Do you want to sort another array? (y/n): n
Exiting the program!
```

```
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Process exited after 6.552 seconds with return value 0
Press any key to continue . . .
```

C:\Users\PC\Documents\prime college\Fifth Semester\samyak manandhar\DAA\5.exe

```
Original Array: 90 31 4 45 84 57 18 32 83 16
Sorted Array: 4 16 18 31 32 45 57 83 84 90
Number of swaps: 8
Do you want to sort another array? (y/n): nn
Exiting the program!
```

```
-----
Process exited after 2.721 seconds with return value 0
Press any key to continue . . .
```

C:\Users\PC\Documents\prime college\Fifth Semester\samyak manandhar\DAA\4.exe

```
Original Array: 20 57 36 68 45 64 9 76 10 2
Sorted Array: 2 9 10 20 36 45 57 64 68 76
Number of swaps: 26
Do you want to sort another array? (y/n): n
Exiting the program!
```

```
-----
Process exited after 7.621 seconds with return value 0
Press any key to continue . . .
```

C:\Users\PC\Documents\prime college\Fifth Semester\samyak manandhar\DAA\3.exe

```
Generated Array: 33 76 82 14 70 5 6 87 83 60
Enter the number to search: 60
Target found at index 9
Number of steps: 10
Do you want to search again? (y/n): n
Exiting the program!

-----
Process exited after 6.007 seconds with return value 0
Press any key to continue . . .
```

C:\Users\PC\Documents\prime college\Fifth Semester\samyak manandhar\DAA\2.exe

```
Generated limit: 43
Fibonacci Series up to 43:
0 1 1 2 3 5 8 13 21 34
Number of terms: 10
Do you want to generate another Fibonacci series? (y/n): n
Exiting the program!

-----
Process exited after 14.19 seconds with return value 0
Press any key to continue . . .
```

C:\Users\PC\Documents\prime college\Fifth Semester\samyak manandhar\DAA\1.exe

```
Generated numbers: 84 and 32
Number of counts: 5
GCD of 84 and 32: 4
Do you want to find GCD of another pair of numbers? (y/n): n
Exiting the program!

-----
Process exited after 2.978 seconds with return value 0
Press any key to continue . . .
```

C:\Users\PC\Documents\prime college\Fifth Semester\samyak manandhar\DAA\9.exe

```
Original Array: 47 39 7 92 60 29 25 61 85 2 2 16 61 64 42 78 32 50 89 83
Sorted Array: 2 2 7 16 25 29 32 39 42 47 50 60 61 61 64 78 83 85 89 92
Number of merge operations: 19
Do you want to sort another array? (y/n): n
Exiting the program!

-----
Process exited after 6.139 seconds with return value 0
Press any key to continue . . .
```