

### Output :- Bubble Sort

```
aryankushwaha@Aryan-Kushwaha Lab-1 % cd "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Bubble
.cpp -o Bubble && "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Bubble

The Given Array [ ] = { 45 ,53 ,55 ,152 ,24 ,19 ,80 }

Sorted array:
19 24 45 53 55 80 152
aryankushwaha@Aryan-Kushwaha Lab-1 %
```

### Output :- Fibonacci Number

```
aryankushwaha@Aryan-Kushwaha Lab-1 % cd "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Fibonacci
.cpp -o Fibonacci && "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Fibonacci
Enter n to print nth fibonacci number: 6
Fibonacci number 6 is 8
aryankushwaha@Aryan-Kushwaha Lab-1 %
```

### Output :- Insertion Sort

```
aryankushwaha@Aryan-Kushwaha Lab-1 % cd "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Insertion
.cpp -o Insertion && "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Insertion

The Given Array [ ] = { 25 ,61 ,37 ,35 ,9 }

Sorted Array is :
9 25 35 37 61
aryankushwaha@Aryan-Kushwaha Lab-1 %
```

### Output :- Selection Sort

```
aryankushwaha@Aryan-Kushwaha Lab-1 % cd "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Selection
.cpp -o Selection && "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Selection

The Given Array [ ] = { 45 ,65 ,72 ,42 ,345 ,1 }

Sorted array:
1 42 45 65 72 345
aryankushwaha@Aryan-Kushwaha Lab-1 %
```

### Output :- Sequential Search

```
aryankushwaha@Aryan-Kushwaha Lab-1 % cd "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Sequential
.cpp -o Sequential && "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Sequential

The Given Array [ ] = { 12 ,43 ,44 ,120 ,4 }

Element is present at index 1
aryankushwaha@Aryan-Kushwaha Lab-1 %
```

### Output :- Factorial Number

```
aryankushwaha@Aryan-Kushwaha Lab-1 % cd "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Factorial
.cpp -o Factorial && "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/DAA/Lab-1/"Factorial
Enter a number: 5
factorial of 5 = 120
aryankushwaha@Aryan-Kushwaha Lab-1 %
```