

OUTPUTS

PROGRAMS IN C:

DFS:

Given Case

```
DFS in C
Visited: A
Visited: B
Visited: E
Visited: F
Visited: C
Visited: D
Visited: G
Visited: H
Given Case Time Complexity: 3.00 ms
```

Best Case

```
DFS in C
Visited: C
Visited: A
Visited: B
Visited: D
Best Case Time Complexity: 2.00 ms
```

Average Case

```
DFS in C
Visited: C
Visited: B
Visited: A
Visited: D
Visited: E
Average Case Time Complexity: 3.00 ms
```

Worst Case

```
DFS in C
Visited: A
Visited: B
Visited: C
Visited: D
Visited: E
Worst Case Time Complexity: 4.00 ms
```

BFS:

Given Case

```
BFS in C
Visited: A
Visited: B
Visited: C
Visited: D
Visited: E
Visited: F
Visited: G
Visited: H
Given Case Time Complexity: 3.00 ms
```

Best Case

```
BFS in C
Visited: C
Visited: A
Visited: B
Visited: D
Best Case Time Complexity: 1.00 ms
```

Average Case

```
BFS in C
Visited: C
Visited: B
Visited: D
Visited: A
Visited: E
Average Case Time Complexity: 2.00 ms
```

Worst Case

```
BFS in C
Visited: A
Visited: B
Visited: C
Visited: D
Visited: E
Worst Case Time Complexity: 3.00 ms
```

PROGRAMS IN PYTHON:

DFS:

Given Case

```
DFS in Python
Visited: A
Visited: B
Visited: E
Visited: F
Visited: C
Visited: D
Visited: G
Visited: H
Given Case Time Complexity: 0.9992122650146484 ms
```

Best Case

```
DFS in Python
Visited: A
Visited: B
Visited: C
Visited: D
Visited: E
Best Case Time Complexity: 0.9965896606445312 ms
```

Average Case

```
DFS in Python
Visited: A
Visited: C
Visited: B
Visited: D
Visited: E
Average Case Time Complexity: 0.9999275207519531 ms
```

Worst Case

```
DFS in Python
Visited: C
Visited: A
Visited: B
Visited: D
Visited: E
Worst Case Time Complexity: 1.01470947265625 ms
```

BFS:

Given Case

```
BFS in Python
Visited: A
Visited: B
Visited: C
Visited: D
Visited: E
Visited: F
Visited: G
Visited: H
Given Case Time Complexity: 0.99945068359375 ms
```

Best Case

```
BFS in Python
Visited: A
Visited: B
Visited: C
Visited: D
Visited: E
Best Case Time Complexity: 0.9934902191162109 ms
```

Average Case

```
BFS in Python
Visited: A
Visited: C
Visited: B
Visited: D
Visited: E
Average Case Time Complexity: 0.9989738464355469 ms
```

Worst Case

```
BFS in Python
Visited: C
Visited: A
Visited: B
Visited: D
Visited: E
Worst Case Time Complexity: 1.5079975128173828 ms
```