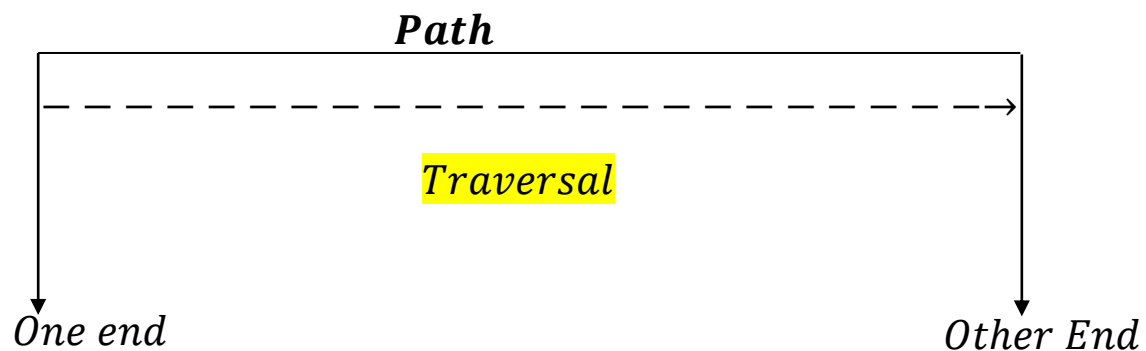


3. TRAVERSAL OF ARRAYS

Traversal is a word that comes from graph representation.
It means moving from one end of a path to another.



Array Traversal looks like:

```
// Array Traversal
for (int i = 0; i < size; i++)
{
    cout << a[i] << endl;
}

}
```

TIME COMPLEXITY

We see that Array traversal proceeds from:

$$a[0] \rightarrow O(1)$$

$$a[1] \rightarrow O(1)$$

$$a[2] \rightarrow O(1)$$

.....

$$a[n] \rightarrow O(1)$$

Therefore if $1 + 1 + 1 + \dots + n$ times gives: $O(n)$