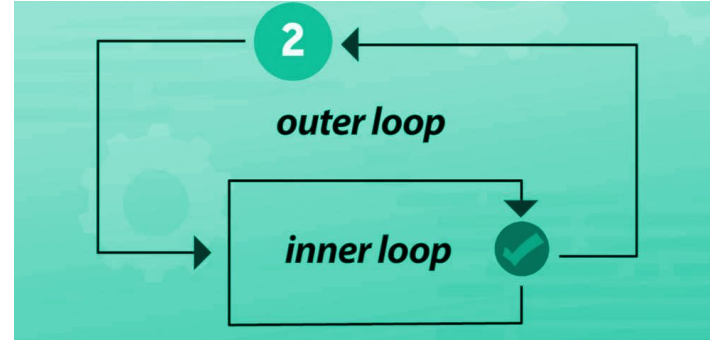


Nested Loops



- A nested for loop is when a **loop** runs inside another **loop**.
- The inner loop will run all its iterations for *each* iteration of the outer loop.
- Syntax:

```
Outerloop{  
    Innerloop{  
        // statements to execute inside inner loop  
    }  
    // statements to execute inside outer loop  
}
```

Nested Loops - Purpose and Advantages

- It is mainly used to print or visualize table, matrix, pattern, or multidimensional array.
- Usage of memory is less.
- Suitable when the number of iterations is more in a program.

Nested Loops - Algorithm

