

Q7. Find Number of Iterations - 7

Solved



Using hints except Complete Solution is Penalty free now

Use Hint

What will be the total number of iterations in the following code?

```
for (int i = 0; i < n; i++) {
    for (int j = 0; j <= i; j++) {
        print(i + j);
    }
}
```

⇒

i	j	iterations
0	[0, 0]	1
1	[0, 1]	2
2	[0, 2]	3
⋮	⋮	⋮
n-1	[0, n-1]	n

$$\rightarrow \text{Total} = \sum_{i=1}^n i$$

$$= \frac{n(n+1)}{2}$$