

Note the inner loop. It does not depend on value of i .

1. Can you find out how many iterations does j run for value of n ? Maybe try a few values of n , and check how many times the loop will run. Do you see a pattern ?
2. Can you say something about how fast j is growing ?
3. What will j 's value be after k iterations ? 2^k ?
4. If $2^k = n$, then what is k ?