

1. Yes; the program iterates through the attendance records from indices 1 to n-1, however this misses the first index 0 and miscounts the attendance as a result. This can be fixed by simply modifying int i = 1; to int i = 0;
2. The fault is impossible to not execute, as it occurs under any input circumstances. No matter the input attendance vector, the first index will always be ignored erroneously.
3. [1, 0, 0, 0, 1, 1, 1, 1, 1] (Fault executes but no error state)
 - a. Expected output: true
 - b. Faulty output: true
 - c. Correct output: true
4. [0, 0, 1, 1, 1, 1, 1, 1, 1] (Error state but no failure)
 - a. Expected output: true
 - b. Faulty output: true
 - c. Correct output: true
5. [0, 0, 0, 1, 1, 1, 1, 1, 1] (Failure)
 - a. Expected output: true
 - b. Faulty output: false
 - c. Correct output: true