1. The program has a fault at: "for (int i = 1; i < records.size(); ++i" because it uses int i = 1.. This means it will start at 1 and skip 0, meaning the code doesn't go through all 10 lectures.
2. Using test case [1] will not execute the fault because the loop will never run. So, the expected output is false because the student doesn't have any absences, but the actual output is false because it never runs anything since i = 1 can't run for i > 1.
3. Using test case [1,1,1,1,1,1,1,1,1,1] it shows that all lectures of present even though it starts at 1. As a result this executes the fault without actually showing the error state.
4. Using test case [0,1,1,1,1,1,1,1,1,0] it should count two absences, however with the original code it skips the first element and counts one absence. This is still an incorrect statement, so it is in the error state but does not fail.
5. Using test code [0,0,0,1,1,1,1,1,1,1] it should be marked as true because there are only 3 absences. However with the original set of code it skips the first element, which returns as false.