Project Sensors

Unit test plan

Module: sensors\_main

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| **Id** | **Description** | **Target(s)** | **Precondition(s)** | **Input(s)** | **Expected outcome(s)**  **(postcondition)** |
| TC1 | Correct limits | Function check\_limits | None | limits == [18, 22] | Function returns True |
| TC2 | Incorrect limits | Function check\_limits | None | limits == [22, 18] | Function returns False |
| TC3 | Correct length | Function read\_sensors | None | length == 4 | Function returns: True |
| TC4 | Correct element | Function read\_sensors | None | element[0][0] == 21.1 | Function returns: True |
| TC5 | Correct element | Function read\_sensors | None | element[0][3] == 19.9 | Function returns: True |
| TC6 | Correct element | Function read\_sensors | None | element[-1][2] == 23.2 | Function returns: True |
| TC7 | Correct total readings | Function read\_sensors | None | total\_readings == 96 | Function returns: True |