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| Test Number | Purpose of Test | Test Data | Expected Result | Actual Result | Comments |
| 1a | inputting the number of students | 1 | Should be valid and stored into studentNumber | The data type was valid and stored into studentNumber |  |
| 1b | inputting the number of students | 100 | Should be valid and stored into studentNumber | The data type was valid and stored into studentNumber |  |
| 1c | inputting the number of students | 7.7777 | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 1d | inputting the number of students | 9999999999999999 | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 1e | inputting the number of students | one | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 1f | inputting the number of students | One \* (11) | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 2a | Inputting student name | jake | Should be valid and stored into studentName | The data type was valid and stored into studentName |  |
| 2b | Inputting student name | David moe | Should be valid and stored into studentName | The data type was valid and stored into studentName |  |
| 2c | Inputting student name | J4key666 | Should show an error message and allow the user to input the correct data type again. | The data type was valid and stored into studentname |  |
| 2d | Inputting student name | 123 | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 2e | Inputting student name | 7.7 | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 2f | Inputting student name | Pneumonoultramicroscopicsilicovolcanoconiosis | Should be valid and stored into studentName | The data type was valid and stored into studentname | Was expecting the program to either crash or show an error message due to the amount of characters. |
| 3a | Inputting student grade | 5 | Should be valid and stored into inputtedGrade | The data type was valid and stored into inputtedGrade |  |
| 3b | Inputting student grade | 95 | Should be valid and stored into inputtedGrade | The data type was valid and stored into inputtedGrade |  |
| 3c | Inputting student grade | 111 | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. | This happened because the marks are capped at 100 and anything over100 or less than 0 shows an error message. |
| 3d | Inputting student grade | 7.7 | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 3e | Inputting student grade | ten | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 3f | Inputting student grade | Seven 1 | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 3g | Inputting student grade | Seventy nine | Should show an error message and allow the user to input the correct data type again. | showed an error message and allow the user to input the correct data type again. |  |
| 4a | Program sorts grades from highest to lowest. | 1, jojo, 50 | Should display 50 as the highest grade | Worked fine, 50 was displayed as the highest grade. |  |
| 4b | Program sorts grades from highest to lowest. | 2, jojo ,50 ,joe, 7.7 | Should show an error message once 7.7 is inputted as a student grade and allow the user to input the correct data type | showed an error message once 7.7 is inputted as a student grade and allow the user to input the correct data type | This is because 7.7 isn’t an integar |