|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable Name | Test Type | Test Data | Purpose of Data | User’s Expected Result | Actual Result |
| Decision | String |  |  |  |  |
| option | integer |  |  |  |  |
| Students[i].fullName | String |  | Allow the program to store all students full name to a file |  |  |
| Students[i].mathGrade | String |  | Allow the program to store all math students grades to a file |  |  |
| Students[i].engGrade | String |  | Allow the program to store all English students grades name to a file |  |  |
| Students[i].phyEdGrade | String |  | Allow the program to store all Physical Education students grades to a file |  |  |
| Students[i].inteSciGrade | String |  | Allow the program to store all Integrated Science Students grades to a file |  |  |
| cName | String | ? | To allow program to store the name of the form teacher class |  |  |
| tName | String | user | To allow program to store the name of the class teacher |  |  |
| tPass | String | pass | To grant the user full access to the program |  |  |
| className | String |  | To allow program to store the name of the form teacher class |  |  |
| tUsername | String | user | To allow program to store the name of the class teacher |  |  |
| tPassword | String | pass | To grant the user full access to the program |  |  |
| readUsername | String | users | To ensure the right username is enter to allow them user access |  |  |
| readPassword | String | Password112 | To ensure the right password is enter to allow them user access |  |  |
| x |  |  |  |  |  |
| i |  |  |  |  |  |
| Student[i].fullName |  | Jan | Allow program store full name of a student |  |  |
| Student[i].mathGrade |  | 100 | Allow the program to store the math grade of a student |  |  |
| Student[i].engGrade |  | 29 | Allow the program to store the English grade of a student |  |  |
| Student[i].inteSciGrade |  | 42 | Allow the program to store the Integrated Science grade of the student |  |  |
| Student[i].phyEdGrade |  | 39 | Allow the program to store the physical education grade of a student |  |  |
| islogged |  |  |  |  |  |
| highestAverageStudent | String | Jan | To determine the name of the highest average student |  |  |
| heighestAverage | Integer | 52>0 | To determine the highest average of the students |  |  |
| heighestMathStudent | String | Jan | To determine the name of  The student with the highest Math average |  |  |
| heighestMath | Integer | 100>0 | To the determine the highest math average |  |  |
| highestEngStudent | String | Jan | To determine the name of  The student with the highest English average |  |  |
| heighestEng | integer | 29>0 | To the determine the highest English average |  |  |
| heighestInteSciStudent | String | Jan | To determine the name of  The student with the highest Integrated Science average |  |  |
| heighestInteSci | integer |  | To the determine the highest Integrated Science average |  |  |
| heighestPhysEdStudent | String | Jan | To determine the name of  the student with the highest Integrated Science average |  |  |
| heighestPhyEd | Integer | 39>0 | To the determine the highest physical education average |  |  |
| averageGrade | Real | 52 | To |  |  |
| ptr |  |  |  |  |  |
| fullName | String | Jan |  |  |  |