**Test Reference:**

|  |  |
| --- | --- |
| **/\*\*** |  |
|  | **\* Get average game score of all games played throughout the history by a specified team** |
|  | **\* @param teamname a String indicates the teamname, either "green" or "gold"** |
|  | **\* @return Double indicates the average game score; null if teamname is neither "green" nor "gold"** |
|  | **\*/** |

**Equivalent Classes:**

|  |  |  |
| --- | --- | --- |
|  | **Valid** | **Invalid** |
| **teamname** | * **1.1 -** “gold” literal * **1.2 -** “green” literal * **1.3** - “GOld” mix of upper and lowercase letters * **1.4** - “GrEen” mix of upper and lowercase letters * **1.5** - “GOLD” literal * **1.6** - “GREEN” literal | * **1.a -** null * **1.b -** empty string * **1.c -** string with 1 character * **1.d -** integer type |

**Class Representatives:**

|  |  |
| --- | --- |
| Equivalence Class | Representative |
| 1.1 | “gold” |
| 1.2 | “green” |
| 1.3 | “GoLd” |
| 1.4 | “GreeN” |
| 1.5 | “GOLD” |
| 1.6 | “GREEN” |
| 1.a | null |
| 1.b | “” |
| 1.c | “c” |
| 1.d | 79 |

**Representative Boundaries:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Equiv. Class** | **Representative** | **Lower Boundary** | **Upper Boundary** |
| 1.1 | “gold” | “gol” | “goldd” |
| 1.2 | “green” | “gree” | “greenn” |
| 1.3 | “goLd” | “goL” | “goLdd” |
| 1.4 | “GreEn” | “GreE” | “GreEnn” |
| 1.5 | “GOLD” | “GOL” | “GOLDD” |
| 1.6 | “GREEN” | “GREE” | “GREENN” |
| 1.a | null | - | - |
| 1.b | “” | - | “c” |
| 1.c | “c” | “” | “cc” |
| 1.d | 79 | 78 | 80 |

**Test Cases:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **teamname** | **Eq. Class** | **Expected Output** |
| t\_0 | “gold” | 1.1 |  |
| t\_1 | “green” | 1.2 |  |
| t\_2 | “goLd” | 1.3 |  |
| t\_3 | “GreEn” | 1.4 |  |
| t\_4 | “GOLD” | 1.5 |  |
| t\_5 | “GREEN” | 1.6 |  |
| t\_6 | “gol” | 1.1 |  |
| t\_7 | “goldd” | 1.1 |  |
| t\_8 | “gree” | 1.2 |  |
| t\_9 | “greenn” | 1.2 |  |
| t\_10 | “goL” | 1.3 |  |
| t\_11 | “goLdd” | 1.3 |  |
| t\_12 | “GreE” | 1.4 |  |
| t\_14 | “GreEnn” | 1.4 |  |
| t\_15 | “GOL” | 1.5 |  |
| t\_16 | “GOLDD” | 1.5 |  |
| t\_17 | “GREE” | 1.6 |  |
| t\_18 | “GREENN” | 1.6 |  |
| t\_19 | null | 1.a | ERROR |
| t\_20 | “” | 1.b | ERROR |
| t\_21 | “c” | 1.c | ERROR |
| t\_22 | 79 | 1.d | ERROR |
| t\_23 | “c” | 1.b | ERROR |
| t\_24 | “cc” | 1.c | ERROR |
| t\_25 | 78 | 1.d | ERROR |
| t\_26 | 80 | 1.d | ERROR |