|  |  |
| --- | --- |
| /\*\* |  |
|  | \* get highest word score of a team |
|  | \* @return an integer indicating the highest word score of specified team |
|  | \*/ |

**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 |  | 1.1 |  |
| t\_1 |  | 1.2 |  |
| t\_2 |  | 1.3 |  |
| t\_3 |  | 1.4 |  |
| t\_4 |  | 1.5 |  |
| t\_5 |  | 1.6 |  |
| t\_6 |  | 1.a | ERROR |
| t\_7 |  | 1.b | ERROR |
| t\_8 |  | 1.c | ERROR |
| t\_9 |  | 1.d | ERROR |
| t\_10 |  | 1.b | ERROR |
| t\_11 |  | 1.c | ERROR |
| t\_12 |  | 1.d | ERROR |
| t\_13 |  | 1.d | ERROR |