|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case Description** | **String 1** | **String 2** | **String 3** | **Expected Output** |
| Positive simple, only string2 | jjj | jjj | 198 | 198 |
| Positive simple, more characters, in the middle | 1jjj1 | jjj | 198 | 11981 |
| Positive simple, more chars, at the beginning | jjj2222 | jjj | 198 | 1982222 |
| Positive simple, more chars, at the end | 2222jjj | jjj | 198 | 2222198 |
|  |  |  |  |  |
| Positive, a few instances to replace | 2oo2oo2 | oo | 33 | 2332332 |
| Positive, len(str2) != len(str3) | oo2oo4  oo2oo4  qqq | oo  o  q | 3  33  123 | 3234  3333233334  123123123 |
| Negative, no string 2 in string1 | abcd  abab | e  ccccccccc | 5  2 | abcd  abab |
| Positive, String1 is empty | “” | 12345 | 1 | “” |
| String2 is empty |  |  |  |  |
| Positive, String3 is empty | ababab | a | “” | bbb |
| Special characters | A@A@  abab | @  a | 5  % | A5A5  %b%b |
| Positive, String1 has a few words | Hello world | o | 0 | Hell0 w0rld |
| Long strings (need to check also with long string3) | A file filled with ababab….. | a | 5 | A file filled with 5b5b5b…. |
| String 2 has an empty space | Hello world  Hello world | “ w”  “ ww” | @  @ | Hello@orld  Hello world |
| String 2 is longer than string 1 | Flower | FlowerFlower | 1 | Flower |
| Case sensitive (I assume that application is case sensitive) | Flower  fLower  Ff11  F1f1 | f  l  F1  F1 | 1  2  3  5 | Flower  fLower  Ff11  5f1 |
| Partial match | 23423 | 234 | A | A23 |
| String1 is a subset of string2 | aaa | aaabbb | 5 | aaa |
| Stress test – run the function for many iterations in a loop | 12345 | 12 | ab | Ab345 |