Project 2 Report

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CSCE212-002

1. Project Description:

This project will have a statement. It can prompt two string input for search and count how many time the input appear in statement. Then output the number of times without case sensitive.

1. Program Design:

Print the input and counter

Prompt for first and second string input

Yes

Loop1:

beqz $t2,print1

until end of statement

Search the second input same way

NO

Convert everything to upper case

End

If the char of statement and input are same, then both move next, if not same, statement move next

If input appear in statement, counter+1

1. Symbol Table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| $t0 | $t1 | $t2 | $t3 | $t4 |
| Address of statement | Address of input | Byte of statement | Byte of input | Counter |

1. Learning Coverage:

Argument register

Syscall

Procedures

Address

Branch

Byte

1. Test Plan:

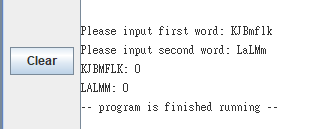
Gamecocks, Football: as same as the sample, so it is easy to know if correct

KJBmflk,LaLMm: just make program would not count incorrectly

GaMe, souTH: make sure it is not case sensitive

1. Test Results:

一張含有 文字 的圖片

自動產生的描述  一張含有 文字 的圖片

自動產生的描述