

Pseudo code of problem 4 A

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DEFINE MAX_SENTENCE_LENGTH = 150
DEFINE MAX_NUM_WORDS = 15

DECLARE ignore[MAX_SENTENCE_LENGTH]
DECLARE title[MAX_SENTENCE_LENGTH]
DECLARE each_title[MAX_NUM_WORDS][MAX_SENTENCE_LENGTH]

DECLARE i, j, var = 0, k = 0, m, w, l, num = 0

PRINT "Enter words to ignore: "
SCAN ignore
strlwr(ignore)

PRINT "Enter titles, separated by '-': "
SCAN title
strlwr(title)

DECLARE words_ignore[MAX_NUM_WORDS][MAX_SENTENCE_LENGTH]
DECLARE number_words = 0

DECLARE token = strtok(ignore, " ")

WHILE token != NULL DO
    SET words_ignore[number_words] = token
    INCREMENT number_words
    SET token = strtok(NULL, " ")
END WHILE

DECLARE number_words_2 = 0
DECLARE title_names[MAX_NUM_WORDS][MAX_SENTENCE_LENGTH]
DECLARE temp = strtok(title, "-")

WHILE temp != NULL DO
    SET title_names[number_words_2] = temp
    INCREMENT number_words_2
    SET temp = strtok(NULL, "-")
END WHILE

FOR I FROM 0 TO number_words_2-1 DO
    DECLARE temp_1 = strtok(title_names[I], " ")
    SET num = 0

    WHILE temp_1 != NULL DO
        SET each_title[num] = temp_1
        INCREMENT num
    END WHILE
END FOR
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    SET temp_1 = strtok(NULL, " ")
END WHILE

FOR i FROM 0 TO num-1 DO
    SET var = 0
    FOR j FROM 0 TO number_words-1 DO
        IF strcasecmp(each_title[i], words_ignore[j]) == 0 THEN
            SET var = 1
            BREAK
        END IF
    END FOR
    IF var == 0 THEN
        FOR m FROM 0 TO num-1 DO
            IF m == i THEN
                PRINT toupper(each_title[m][0])
                FOR w FROM 1 TO strlen(each_title[m])-1 DO
                    PRINT tolower(each_title[m][w])
                END FOR
            ELSE
                PRINT each_title[m]
            END IF
            IF m < num - 1 THEN
                PRINT " "
            END IF
        END FOR
        PRINT "\n"
    END IF
END FOR
END FOR

```