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/*
 * Exercise for Lesson 2 Scrabble Word/Letter Score
 *
 * This program lets the user enter a word. The Scrabble score of the word is
 * then calculated and printed on the screen.
 */

#include <stdio.h>

int main()
{
    // A character variable you can use to store your letter
    char letter;

    // An integer variable you can use to store the current letter score
    int letterScore = 0;

    // An integer variable to store the total word score
    int wordScore = 0;

    // Ask the user to enter a word
    printf("Please enter a word: ");

    //
    // Task 1 - using a while loop to read a word
    //
    scanf("%c",&letter);
    while (letter!='\n') {

        // Inside the while loop...
        //
        // Task 2 - assigning the letter score depending on the input letter
        //
        switch (letter) {
            case 'a': letterScore = 1; break;
            case 'b': letterScore = 3; break;
            case 'c': letterScore = 3; break;
            case 'd': letterScore = 2; break;
            case 'e': letterScore = 1; break;
            case 'f': letterScore = 4; break;
            case 'g': letterScore = 2; break;
            case 'h': letterScore = 4; break;
            case 'i': letterScore = 1; break;
            case 'j': letterScore = 8; break;
            case 'k': letterScore = 5; break;
            case 'l': letterScore = 1; break;
            case 'm': letterScore = 3; break;
            case 'n': letterScore = 1; break;
            case 'o': letterScore = 1; break;
            case 'p': letterScore = 3; break;
            case 'q': letterScore = 10; break;
            case 'r': letterScore = 1; break;
            case 's': letterScore = 1; break;
            case 't': letterScore = 1; break;
            case 'u': letterScore = 1; break;
            case 'v': letterScore = 4; break;
            case 'w': letterScore = 4; break;
            case 'x': letterScore = 8; break;
            case 'y': letterScore = 4; break;

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        case 'z': letterScore = 10; break;
    }

    scanf("%c", &letter);
    // Inside the while loop...
    //
    // Task 3: summing the letter score to the word score
    //

    wordScore += letterScore;

}

//
// Task 3: printing the word score
//

// Print a newline at the end of the program
printf("%d\n",wordScore);
}

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