Hangman

#include <stdio.h>

#include <string.h>

#include <stdlib.h>

#include <time.h>

#define MAX\_TRIES 6

int main()

{

const char\* words[] = {"hangman", "programming", "computer", "science", "language", "algorithm", "developer"};

srand(time(0));

int n = rand() % (sizeof(words) / sizeof(words[0]));

const char\* selectedWord = words[n];

int length = strlen(selectedWord);

int i, correct = 0, tries = 0;

char guess, word[length];

for (i = 0; i < length; i++) {

word[i] = '-';

}

word[length] = '\0';

printf("Welcome to Hangman!\n");

printf("Try to guess the word. You have %d attempts.\n", MAX\_TRIES);

while (tries < MAX\_TRIES && correct < length) {

printf("Word: %s\n", word);

printf("Enter a letter: ");

scanf(" %c", &guess);

int found = 0;

for (i = 0; i < length; i++) {

if (selectedWord[i] == guess && word[i] != guess) {

word[i] = guess;

correct++;

found = 1;

}

}

if (!found) {

tries++;

printf("Incorrect guess. You have %d attempts left.\n", MAX\_TRIES - tries);

}

}

if (correct == length) {

printf("Congratulations! You guessed the word: %s\n", selectedWord);

} else {

printf("Sorry, you ran out of attempts. The word was: %s\n", selectedWord);

}

return 0;

}