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#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h> // Added for tolower function

#define qna "qna.txt"

// Convert string to lowercase
void toLowercase(char *str) {
    for (int i = 0; str[i]; i++) {
        str[i] = tolower(str[i]);
    }
}

int get_no_of_questions() {
    FILE *fp = fopen(qna, "r");
    char question[500], option1[100], option2[100], option3[100],
option4[100];
    int i = 0, correct_answer;
    while (fscanf(fp, " %499[^,], %99[^,], %99[^,], %99[^,], %99[^,],
%d\n", question, option1, option2, option3, option4, &correct_answer) == 6)
    {
        i++;
    }
    printf("Total number of questions: %d\n", i);
    fclose(fp);
    return i;
}

int main() {
    char answer[500];
    int score = 0;
    int check_answer;
    char correct_answer[500], question[500];
    char option1[500], option2[500], option3[500], option4[500];
    int correct_option;

    FILE *fp = fopen(qna, "r");
    int noofq = get_no_of_questions();

    for (int i = 0; i < noofq; i++) {
        fscanf(fp, "%[^,],%[^,],%[^,],%[^,],%[^,],%d\n", question, option1,
option2, option3, option4, &correct_option);
        printf("%s\n", question);
        printf("1. %s\n", option1);
        printf("2. %s\n", option2);
        printf("3. %s\n", option3);
        printf("4. %s\n", option4);

        printf("Enter your answer (1, 2, 3, or 4): ");
```

```
fgets(answer, sizeof(answer), stdin);
answer[strcspn(answer, "\n")] = '\0';

// Convert answer to lowercase
toLowerCase(answer);

if (atoi(answer) == correct_option) {
    check_answer = 1;
} else {
    check_answer = 0;
}

printf("Hmm...\n");
if (check_answer == 1) {
    score++;
}
}

fclose(fp);

float percentage = ((float)score / (float)noofq) * 100;

if (score == noofq)
    printf("Wow, you got a perfect score\n");
else if (percentage >= 80)
    printf("You got an amazing score, i.e., %d out of %d\n", score,
noofq);
else if (percentage >= 60)
    printf("You got a good score, i.e., %d out of %d\n", score, noofq);
else if (percentage >= 40)
    printf("You got a satisfactory score, i.e., %d out of %d\n", score,
noofq);
else if (percentage < 40) {
    printf("You failed(%d out of %d). Would you like to try again?
(Enter 'y' for yes): ", score, noofq);
    char choice;
    scanf(" %c", &choice);
    if (choice == 'y') {
        main();
    } else {
        return 0;
    }
} else {
    printf("Something went wrong\n");
}

return 0;
}
```