

Forum:[Hack Forums](#)

Thread: [Outputting random question set?](#)

Aus10 - February 7, 2016, 2:20 pm

So here is the backstory in order to understand this issue!

I am using one function to read in questions and answer choices from a .txt file.
However, instead of just using the read in function to cout the text in the file...
I want to use a different function to cout a random question from the file.
How would I go about doing this?

My goal here is to randomly read in a question and its set of answer choices, one at a time, while including the A. B. C. D. in front of each answer choice. (ABCD is not in the .txt file).

Here is my code thus far

...

PHP Code

```
<?php
#include <iostream>
#include <fstream>
#include <iomanip>
#include <string>
#include <ctime>
#include <cstdlib>

using namespace std;
// Function Prototypes
double read_questions();
double read_answers();
void show_question();

int main()
{
    read_questions();
    read_answers();
    show_question();
    return 0;
}

double read_questions()
{
    string question;
    string choice1;
    string choice2;
    string choice3;
    string choice4;
    string space;
```

```

fstream fin;
string input_arr[50][50];
fin.open("questions.txt");

for (int q = 0; q < 7; q++)
{
    getline(fin, question);
    getline(fin, choice1);
    getline(fin, choice2);
    getline(fin, choice3);
    getline(fin, choice4);
    getline(fin, space);

    input_arr[q][0] = question;
    input_arr[q][1] = "A. " + choice1;
    input_arr[q][2] = "B. " + choice2;
    input_arr[q][3] = "C. " + choice3;
    input_arr[q][4] = "D. " + choice4;
    input_arr[q][5] = space;

    //cout << input_arr[q][0] << endl;
    //cout << input_arr[q][1] << endl;
    //cout << input_arr[q][2] << endl;
    //cout << input_arr[q][3] << endl;
    //cout << input_arr[q][4] << endl;
    //cout << input_arr[q][5] << endl;
    // I have these couts commented out b/c while this works perfectly,
    // this function is only supposed to read in the file, not output it.
    // My main issue is here, if I could somehow figure out how to
    // get this output, but in the show_question() function, while
    // still being completely random as to which question it chooses to output.
}

}
//reads in the answers from file, storing to a 1D array of characters
double read_answers()
{
    fstream fin;
    char answer_arr[50];
    char answer;
    fin.open("answers.txt");

    for (int y = 0; y < 7; y++)
    {
        fin >> answer;
        answer_arr[y] = answer;
    }
}
//Displays a question and its responses, labeled A-D, optionally hiding a //specified response for the
second try at a question.
//Its primary parameter is an array of strings that is one single //question/response set.
void show_question()
{

```

```

int random_number;

// seeds rand (needed for getting random numbers)
srand(time(NULL));

// randomly generates a number 0 - 7 inclusively
random_number = rand() % 7 + 0;

cout << "You roll a " << random_number << ": ";

}

```

Thanks!

Annabelle Lee - February 7, 2016, 2:39 pm

(Feb 7, 2016 03:20 PM)Aus10 Wrote: [\[CITE\]](#) I am using one function to read in questions and answer choices from a .txt file.

However, instead of just using the read in function to cout the text in the file...

I want to use a different function to cout a random question from the file.

How would I go about doing this?

Thanks!

This is why you pass arguments to functions. Take in the file, pick a random number/line that you want to keep it. Pass it as an argument to a function to output it using cout. That's about it.

Aus10 - February 7, 2016, 4:35 pm

I sort of understand, and tried it. However when you say take in the file, where should I do this? It seems I'm trying to pass a function as an argument into another function. A function into a function, I've been researching and can't seem to find examples. :/

Annabelle Lee - February 7, 2016, 4:50 pm

Basically you'll make two functions. Pseudocode follows. No need to pass a function to a function.

Reading Function

Get/open file

Read it in, stop at random line.

Save that line to a string/etc as you need.

Call Output_function(string you got of that line)

Close file

End function

Output_function

Take the string it got from argument

cout << string << endl;

// other stuff you have to output, options, etc.

Aus10 - February 7, 2016, 5:25 pm

That clears alot up. Thank you very much for your help!

