

[Register Now!](#)[Contact Us](#)[Home](#)[Project Ideas »](#)[Training Programs **New** »](#)[Downloads »](#)[Campus Experience »](#)[Blog »](#)[Contact Us »](#)

The Secret Word

Code Id	46
Date Updated	11/7/2010
Title	The Secret Word
Description	

The user has to discover all the letters in a secret keyword. Each letter said th
to FAILS_ALLOWED times.

Codes Snippet

```
// *****
// Title:          "The Secret Word"
//
// Description:
// The user has to discover all the letters
// in a secret keyword.
// Each letter said that is in the keyword
// is shown in its rightful location.
// He/She has the opportunity to fail up
// to FAILS_ALLOWED times.
// *****

#include
#include
#include
#include

#define N_KEYS 12
#define KEY_MAX_WIDTH 20
#define FAILS_ALLOWED 7

// Possible keywords. You may inser new ones if you increase N_KEYS.
char possiblekeys [N_KEYS][KEY_MAX_WIDTH] = {
    "mushroom", "pineapple", "neighborhood", "citizen",
    "programming", "darkness", "fundamental", "encyclopedia",
    "businessman", "restaurant", "observatory", "civilization"
};

// This will store the key
char key [KEY_MAX_WIDTH];

// This will store the string shown on screen with letters already discovered.
char outstring [KEY_MAX_WIDTH];

int CheckLetter (char letter);

main ()
{
    char input;
    int valid;
    int fails = FAILS_ALLOWED;
    unsigned int discovered = 0;
    unsigned int n;

    // Select a key.
    srand ( time (NULL) );           // Initialize random number generator
    int value = rand()%N_KEYS;        // Get random between 0 and NKEYS-1
    strcpy (key,possiblekeys[value]); // Copy key

    // Set outstring to '-' characters plus terminating null-character
    for (n=0; n<< "Discover the secret key: " << outstring << "n";
    cout << "Enter a letter (You may fail " << fails << " times): ";
    cin >> input; cin.ignore (100,'n');

    // check if letter is valid
    valid = CheckLetter (input);

    // it it is valid, increase dicovered letters counter.
```

Online Enquiry



Course Registration



Recent Posts

[Types of Cloud Computing](#)[What is Cloud Computing ?](#)[How to pass a multi-dimensional array to a function?](#)[Memory Layout of a C Program](#)[PHP and Its Advantages](#)

Register Now!

Contact Us

Home

Project Ideas »

Training Programs New »

Downloads »

Campus Experience »

Blog »

Contact Us »

Go

```
    }

    // Function that checks if letter is in key.
    // returns the number of times the letter was found in key
    int CheckLetter (char letter)
    {
        unsigned int n;
        int found=0;
        for (n=0; n
```