

Answer on Question #44554, Programming, C

Problem.

How is it possible to create a table header that is filled in with a standard input from a text file using arrays?

Solution.

Code

```
#include <stdio.h>

int main()
{
    char headers[20][40];    // array to store headers
    int n = 0;               // number of elements in headers
    int i;                   // counter

    // Read data
    FILE *file = fopen("headers.txt", "r");
    while(fscanf(file, "%s", headers[n]) != EOF)
    {
        n++;
    }
    fclose(file);

    // Output results
    for (i = 0; i < 13 * n + 1; i++) // top border
    {
        printf("-");
    }
    printf("\n|");
    for (i = 0; i < n; i++) // headers
    {
        printf(" %-10s |", headers[i]);
    }
    printf("\n");
    for (i = 0; i < 13 * n + 1; i++) // bottom border
    {
        printf("-");
    }

    return 0;
}
```

Result

```
-----  
! id          ! name          ! amount      ! price      !  
-----  
Process returned 0 (0x0)   execution time : 0.058 s  
Press any key to continue.  
_
```