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search_ci ty_files.c
//Linear Search.....through strings
// CS5900 Summer 2015

#include <stdio.h>
#include <conio.h>
#include <string.h>

int main()
{
    int i, n = 0;
    char key[8];
    int found = 0;                //search has not started yet!

    FILE *fp;

    char ci ty[50][10], c[50];    //c[] is with buffer size of 50.....

    fp = fopen("F:/ci ties.txt", "r");    //open the file to read...
    while (!feof(fp))
    {
        fscanf(fp, "%s[^\n", c);
        strcpy(ci ty[n], c);        //access the item name.....
        n = n + 1;
    }
    fclose(fp);
    n = n - 1;

    printf("Number of Elements = %d \n\n", n);

    for (i = 0; i < n; i++)
        printf("\t%s \n", ci ty[i]);

    printf("\n\nEnter the city to search\n");
    scanf("%s", key);

    for (i = 0; i < n; i++)
    {
        if (strcmp(ci ty[i], key) == 0)
        {
            printf("\n%s is present at index %d, means Position %d\n", key, i,
i+1);
            found = 1;                //search has found the match...
            break;
        }
    }

    if (!found)
        printf("\n%s is NOT present in array.\n", key);

    getch();
    return 0;
}

```