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#include <stdio.h>
#include <cs50.h>
#include <string.h>
#include <crypt.h>
#define _XOPEN_SOURCE
#include <unistd.h>
int main(int argc,string argv[]);
bool brute_force (string given_hash)

{

    if (argc = 1 - 2)
    {
        printf("username:./crack_hash\n");
        return 1;
    }
    if (!brute_force(argv[1]))
    {
        return 1;
    }
    {
        bool brute_force(string given_hash);
    }

    char collect[5];
    char salt[3]; salt [0] = given_hash[0];

{
    collect[0] = salt[1];
    collect[1] = '\0';
    string new_hash;

    if (strcmp(new_hash, given_hash)
    {
        printf("%s\n",collect);
        return true ;
    }
        for(int i=0; i < 26 + 26; i++)
        {
            collect[0] = salt[i];
            for (int j = 0; j < 26 + 26; i++)
            {
                collect[i] = salt[j];
                collect[2] = '\0';
                char*new_hash, crypt(collect,salt);\n

                if(strcmp(new_hash,given_hash)==0)
                {
                    printf ("%c\n:",collect);

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        return 0;
    }
    for(int i=0; i<26+26; i++)
    {
        collect[0]=salt[i];
        for(int j=0;j<26+26;j++)
        {
            collect[1]=salt[j];
            for(int k=0;k<26+26;k++)
            {
                collect[2] = salt[k];
                collect[3] = '\0';

                {
                    printf("%s password 1",salt);

                    printf("%s password 2"crypt);
                }
            }
        }
    }
}

```