Security Design Principles

**Permission Policies**

# Unit 1 lab Solutions

**Here is an example of code that satisfies the question. There are many other solutions to this problem.**

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

int main()

{

 char user[9];

 char pass[10];

 int len,i;

 char user1[9];

 char pass1[10];

 user1[0]='j';

 user1[1]='o';

 user1[2]='h';

 user1[3]='n';

 user1[4]='d';

 user1[5]='0';

 user1[6]='e';

 user1[7]='2';

 user1[8]='5';

 pass1[0]='p';

 pass1[1]='a';

 pass1[2]='s';

 pass1[3]='s';

 pass1[4]='w';

 pass1[5]='o';

 pass1[6]='r';

 pass1[7]='d';

 pass1[8]='1';

 pass1[9]='!';

 printf("USERNAME: ");

 scanf("%s", &user);

// printf("user: %s\n", user);

// printf("user1: %s\n", user1);

 while(i<9)

 {

 if (user[i]== user1[i])

 {

 i++;

 }

 else

 {

 printf("incorrect, access denied\n");

 return 0;

 }

 }

 printf("PASSWORD: ");

 scanf("%s", &pass);

 while(i<10)

 {

 if (pass[i]==pass1[i])

 {

 i++;

 }

 else

 {

 printf("incorrect, access denied\n");

 return 0;

 }

 }

 printf("access granted\n");

return 0;

}