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;

}