

```
// Attached: HW 2(a)
// File: HW_2a.pdf
//
//
// Programmer: Gage Alvarez
// Class: CS 1B
// Instructor: Med Mogasemi
//
//
// Program: Concatenate c strings
//
// Description:
// The program takes a first name and an inputted last name, and concatenates
// the two cstrings together and then prints the full name to the console
//
```

```
#include <cstring>
#include <iostream>
```

```
// function prototypes
```

```
void displayInfo(char fullName[], int age);
```

```
int main() {
    // variable init
    char firstName[10] = "name";
    char lastName[10] = "";
    char fullName[20] = "";
    int age = 0;

    std::cout << "How old are you?" << '\n';
    std::cin >> age;
    std::cout << "What is your last name ? (must be 9 characters or less)"
    << '\n';
    std::cin >> lastName;
    strcat(fullName, firstName);
    strcat(fullName, " ");
    strcat(fullName, lastName);
    displayInfo(fullName, age);

    return 0;
}
```

```
// function displayInfo displays all relevant values to the console
```

```
// Inputs:fullName, and age
```

```
void displayInfo(char fullName[], int age) {
    std::cout << "Hello " << fullName << ". " << '\n';
    std::cout << "You are " << age << " years old. " << '\n';
}
```

```
// Output
```

```
// How old are you?
```

```
// 98
```

```
// What is your last name ? (must be 9 characters or less)
```

```
// walder
```

```
// Hello name walder.  
// You are 98 years old.
```