

CGI Program Handout CS 400

READ CAREFULLY and have fun. Be sure you spend enough time to understand how all the parts work together.

Follow these direction carefully:

Compile your C++ CGI as follows:

```
% g++ -static-libgcc -static cgiExample.cpp -o cgiExample
```

1. Create the HTML, CGI and CPP files as outlined on the following pages

Place ALL files in the `.public_html` directory *under* your home directory. For example if your user name is **joe**, then create a `.public_html` under **joe**.

2. Then from **joe** type:

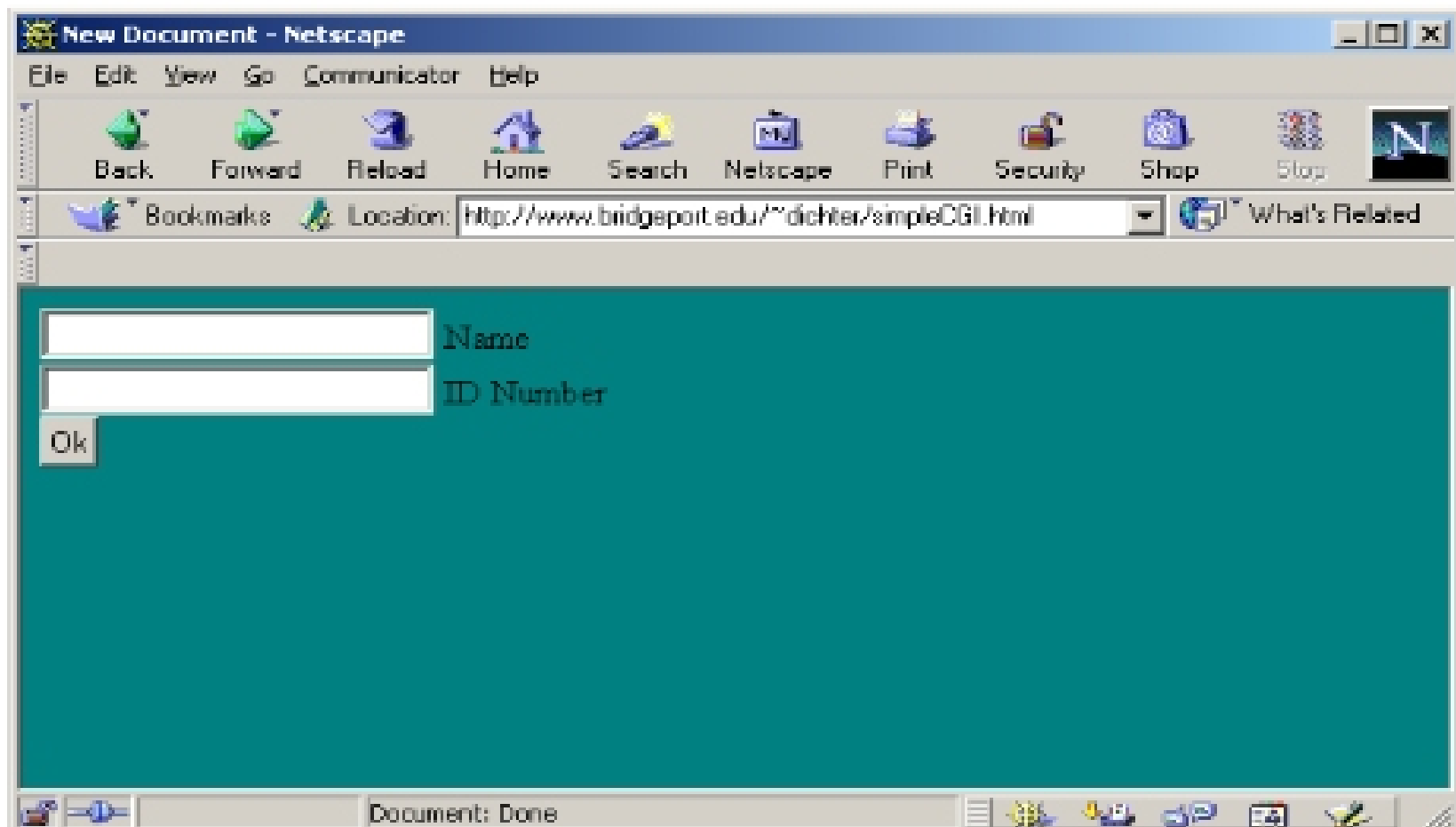
```
% chmod 755 public_html
```
3. Make access to the HTML and CGI file

```
% chmod 755 *.html *.cgi
```

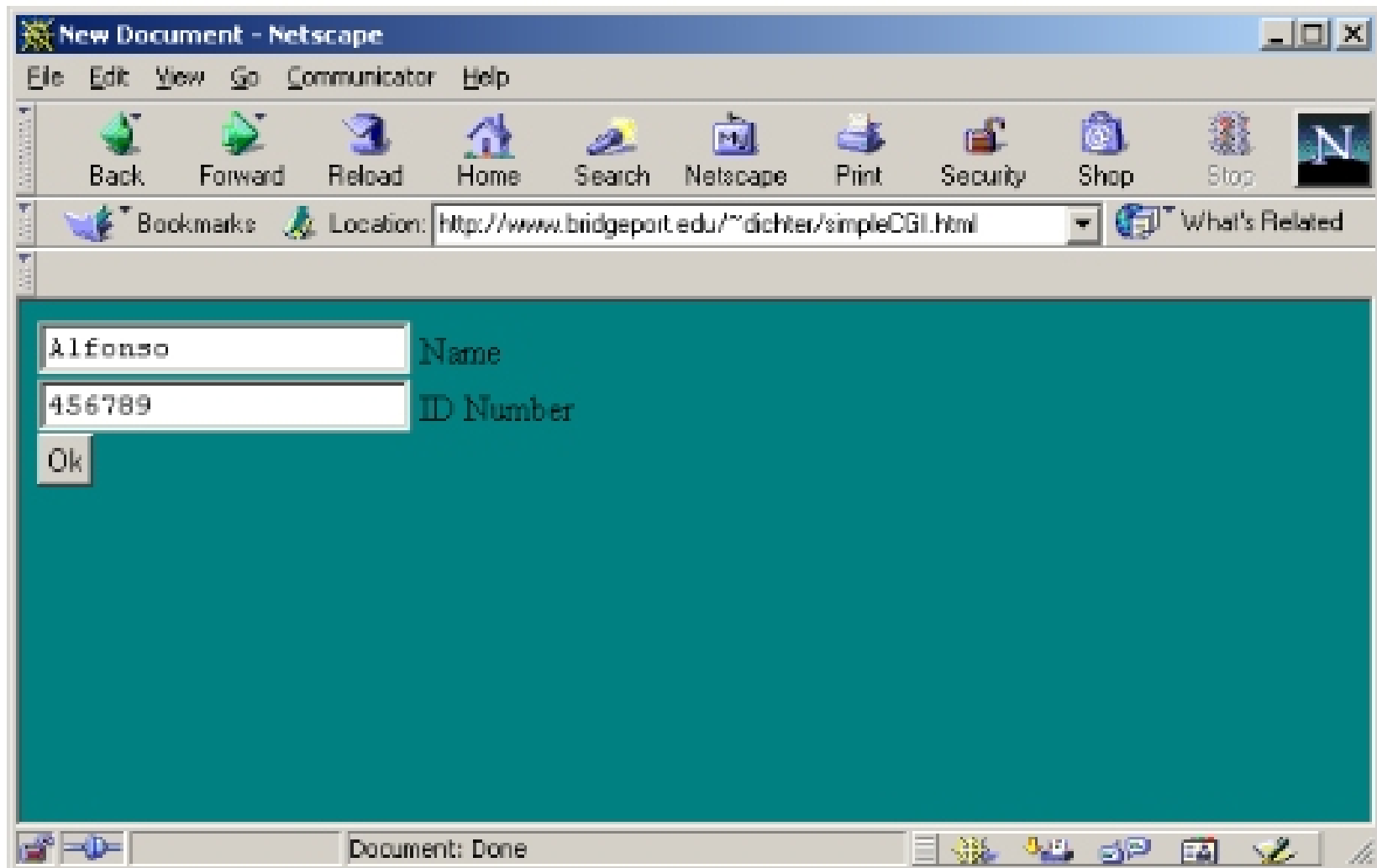
4. Go to your browser and open the following page:

<http://www.bridgeport.edu/~joe/simpleCGI.html>

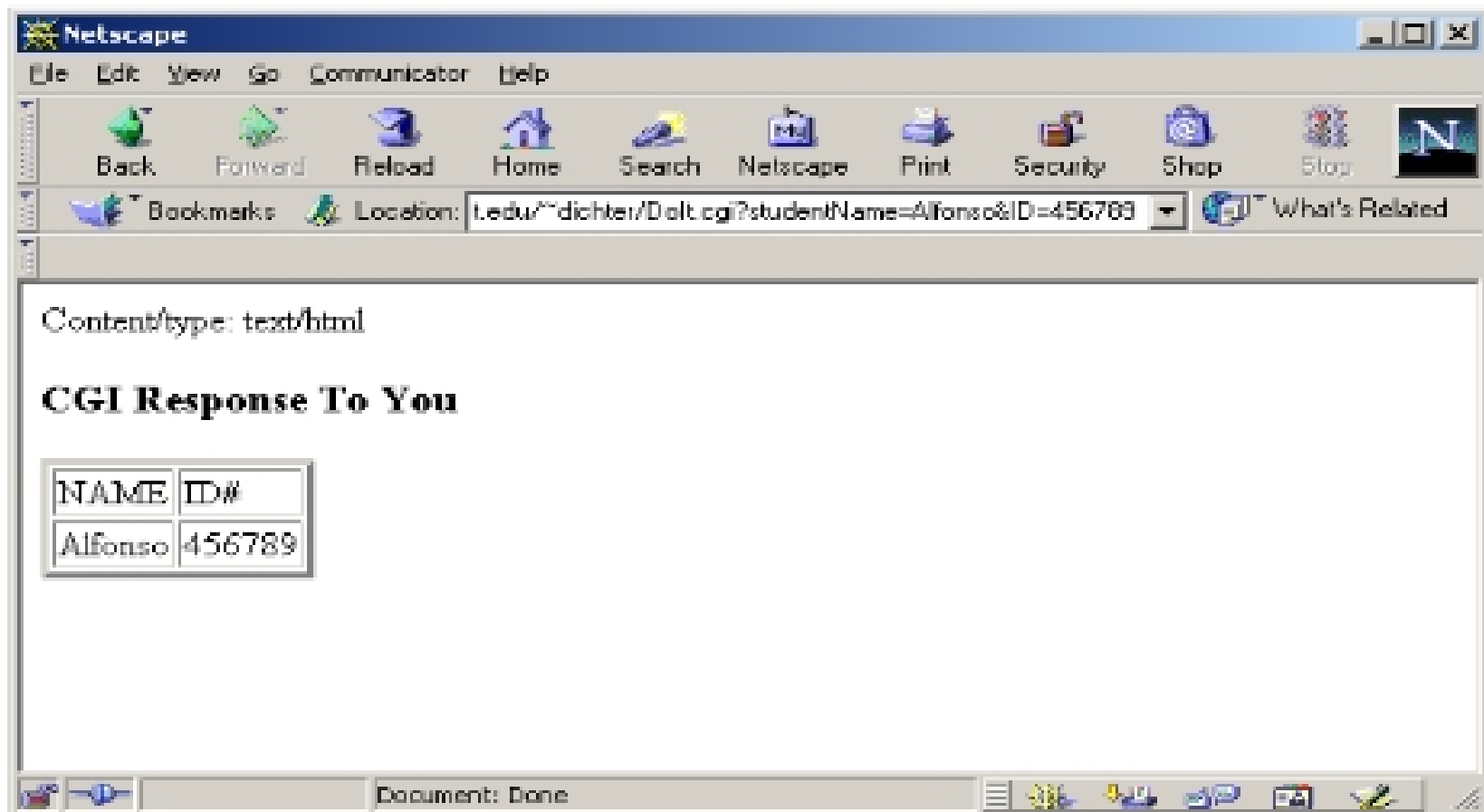
You will see the following page:



5. Type in your name and ID



6. Press OK, and the following result should occur



7. The result in step 6 was the C++ CGI script sending data to your browser. A successful running of this example, and the understanding of how it works is the goal of this example.
8. Please read through the C++ source code to see how the parameters were taken out of the input. If you look at step #6, you will see that the parameter string passed to the C++ program was in the following form:

```
studentName=Alfonso&ID=456789
```

The general form is *param1=value1¶m2=value2¶m3=value3 ...*

9. I use `strstr()` and `strchr()` `string.h` function to do most of the work. In your *real assignment*, you will have to pass input parameters, and return the records from the file in an HTML table.

Be sure you have a `LD_LIBRARY_PATH` in your environment that has

`/usr/local/lib` in it. If not, add the following to your `.cshrc` file :

```
setenv LD_LIBRARY_PATH /usr/local/lib
```