CSCI C151 Placement Exam
Sample Questions

_____ **1.** Which of the following commands would change your current directory to your home directory?

```
a. cd ..
b. cd
c. ls /home
d. cd /home
```

_____ **2.** Which of the following editors does not use color codes for highlighting the syntax in a program?

```
a. vi
b. emacs
c. pico
d. gedit
```

_____ **3.** Which of the following commands gives you a list of all the processes running on that computer?

```
a. ps -A
b. top
c. ps
d. ls -A
```

_____ **4.** Which of the following commands lets you download a resource directly from a web page?

```
a. ssh
b. telnet
c. wget
d. ftp
```

5. What environment variable designates your home directory?

6. What compilation option for g++ specifies the path **/usr/include/AL/** as a folder where header files included in the source code can be found?

7. What common **Makefile** target deletes the executable and the object files?

8. Write a script in bash, Perl, or Python that makes a backup copy of all the files with the extension given by a position parameter in your current directory by adding the character **~** at the end of their name. Print a message for each copied file.

Answers

1. b

2. a

3. a

4. c

5. `$HOME`

6. `-I/usr/include/AL/`

7. `clean`

8. Here is a bash script for this problem:

```
#!/bin/bash

for file in *$1
do
    cp $file $file~
    echo "Copied" $file
done
```

If the script is named `backup.sh` and is executed with the command

`backup.sh .html`

all the files with the extension `.html` will be duplicated with a `~` added to their name.