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Subject: Lab 2: Shell Scripting Questions
Date: 12.06.2024 17:28:35 (+02:00)

## Google Forms

Thanks for filling out <u>Lab 2: Shell Scripting Questions</u>

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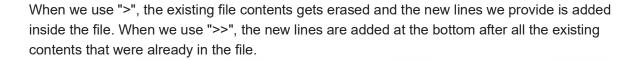
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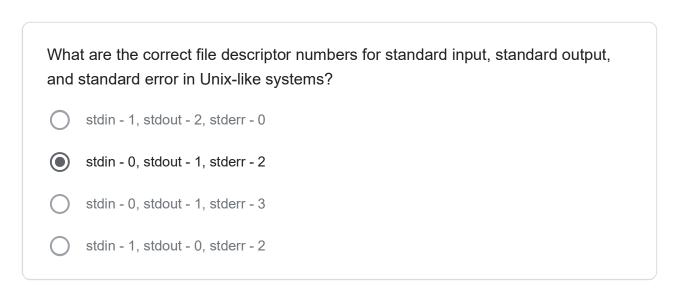
## Lab 2: Shell Scripting Questions

Your email (iftekhar.al.mahmud@g.bracu.ac.bd) was recorded when you submitted this form.

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In file redirection you can write new information to the file using the terminal. Two symbols serve this purpose >> and >. State how are they different.





Write a command using a pipeline that combines echo and grep to check for the presence of the word "success" in a string. The echo command should output the sentence "The operation was a success!", and the grep command should filter the output to only show lines containing the word "success". Provide the complete command line input you would use.

echo "The operation was a success!" | grep "success"

What does the HOME variable normally contain?

HOME is an environment variable and it contains the home directory of the current user.

Create a long running process by typing ping 127. 0. 0. 1. Suspend it with crtl+Z and bring it to the foreground with fg. Terminate it with crtl+C. Explain what happens here.

when we run "ping 127.0.0.1" command, it sends network request to the localhost basically, the pc im using is sending an echo request to itself and receives an echo reply. When we press ctrl+Z it pauses sending request, when we run the command "fg" it again continues to send network request to itself. Lastly, when we press ctrl+C it terminates the process completely.

Upload the screenshot of the commands and output of Activity 1 [Check the instruction file]

Submitted files



t1 - IFTEKHAR AL MAHMUD.png

Paste the code for shell scripting task 1

```
echo "Enter three numbers: "
read n1 n2 n3
highest=$n1
lowest=$n1
if [ $n2 -gt $highest ]; then
  highest=$n2
if [$n3 -gt $highest]; then
  highest=$n3
fi
if [ $n2 -lt $lowest ]; then
  lowest=$n2
fi
if [ $n3 -lt $lowest ]; then
  lowest=$n3
fi
echo "Hello"
echo "Highest: $highest"
echo "Lowest: $lowest"
```

Upload the screenshot containing your script and output of shell scripting task 1 [Check the instruction file]

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t2 - IFTEKHAR AL MAHMUD.png



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