Lab 04: Bash2
Pre-Lab Answers
October 4, 2020

1. g++ $file would attempt to compile files "$" and "file", while g++ "$file" would compile whatever the variable $file is set to.
2. Script:

```
#!/bin/bash

if [[ $# -eq 0]]; then
        echo "Usage: $0 <file or directory name>"
        exit  1
fi

if [[ -f "$1" ]]; then
        echo "file"
elif [[ -d "$1" ]]; then
        echo "directory"
else
        echo "none"
fi
```

3. Script:

```
#!/bin/bash

if [[ $# -eq 0]]; then
        echo "Usage: $0 <file or directory name>"
        exit  1
fi

x = $1

if (( (x % 5 == 0) && (x  % 3 == 0) )); then
        echo "fizzbuzz"
elif (( x % 5 == 0)); then
        echo "buzz"
elif (( x % 3 == 0)); then
        echo "fizz"
else
        echo "none"

fi
```