1. echo I sent this to the terminal using standard output  
Record a screenshot of the output.

A screenshot of a computer

Description automatically generated

3. cat faillog  
Record a screenshot of the output

A screenshot of a computer

Description automatically generated

The data streams STDOUT, STDIN and STDERR are redirected using redirection  
operators. Review the slides to answer the following:  
What operator redirects stdout to a file, creating or overwriting an existing file? >  
What operator redirects stdout to a file, and appends or creates a new file? >>  
What operator redirects stderr to a file, creating or overwriting an existing file as  
needed? 2>  
What operator sends the output from one program to another? |

4. ls -l >  
test.stdout.  
Record a screenshot of the output

A screenshot of a computer screen

Description automatically generated  
Where did the output go? test.stdout

5. cat test.stdout, what are the contents of the file ? details such as file permissions, number of links, owner, group, file size, and the last modified date for each file and directory in the current directory

View the contents of  
test.stdout. Did the contents change ? Yes

The contents of test.stdout should be different, why did the contents of test.stdout change the > causes the contents of test.stdout to be overwritten with new data, thus changing its contents.

7. ls -l /var/log/\* >> test.stdout  
View the contents of  
test.stdout, what are the contents of  
test.stdout? Itdemonstrates how the >> operator adds new data to the file while preserving the existing data.

13. cat all3files  
What is the content of all3files? The contents of file1,file2,file3 combined into one file

14.   
all3files  
What did this do to the contents of  
all3files file? It appends the contents of file1 to the end of all3files

20. cat /var/log/dmesg | grep x86/  
Record a screenshot of the output [The output should be “filtered” showing only  
lines from  
/var/log/dmesg that contain the text x86/.

A computer screen shot of a computer program

Description automatically generated