UNIX LAB SESSION

TOPIC - **Unix Environment**

Topic:

* Listing Processes with ps
* Redirecting stdin
* Redirecting stdout
* Redirecting stderr
* Pipes
* Tee

1. Explain the output

**ps**

**ps –u <your user id>**

**ps –u <other than your user id>**

**ps –ef**

**ps –A**

1. Write command to Kill one of your process.
2. Write command to Stop one of your process
3. Write command to continue running the above process
4. Practice background process and mention the steps.
5. Type below command & explain the outcome of below command ?

echo "Process completed on :`date +%d-%m-%Y-%H:%M:%S`" > FLP\_`date +%d-%m-%Y-%H:%M:%S`

1. Append sometext to above file
2. Copy the content of above file in <Yourname.txt> using re-direction command
3. Copy below contenct in sort2.txt

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A. Board M 36 43

A. board M 36 43

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1. sort +1 < sort2.txt > sort3.txt

explain the ouput of above commands

1. Give 5 example of each stdin and stdout and stderr command
2. cat sort2.txt | wc –lc
3. ls -l | grep sort
4. sort -n sort2.txt | uniq -c | sort –n [can use any file name instead of sort2.txt]
5. Write 5 example Pipe command
6. **ls** –al ~ **| tee** *dirlist* # displays a long listing of all the files in your home directory and write the same to the *dirlist* file.
7. **ls** –al ~ **| tee** *dirlist* | **sort** –r # displays a long listing of all the files in your home directory in reverse order, but saves the listing in order to the file *dirlist*.
8. Write 5 example using tee command