

National University of Computer & Emerging Sciences, Karachi Fall-2018 CS-Department



Lab Mid

| Course Code: CL205 | Course Name: Operating Systems Lab |
|------------------------------|------------------------------------|
| Instructor Name: Sumaiyah Za | ahid |
| Student Roll No: | Section: |

"Be willing to take a chance, because you never know how perfect something could turn out to be."

BEST OF LUCK!

Instructions

| Rules are made to break them. So, invent yours and I'll break. | |
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| Time: 60 minutes. | Max Marks: 40 points |
| Display lines from planets.txt which has the term 'earth' in the line and 'search_result.txt' | (5 Marks) d put the output to the file |
| Copy the contents of the file 'datum.txt' to a file datum_copied.txt | |
| Create a read-only file in your home directory. | |
| 4. List the files in the directory "/etc" that have "network" in their strings. | |
| 5. Copy all files in the current directory whose names end in ".c" or ".h" in "Programs". | to the subdirectory |
| Differentiate between "sh" and "bash". | (2.5 marks) |
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| rite a Bash program that prints the number of arguments provided e first argument provided to the program. | (3 marks) |
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| rite a Bash script that takes two arguments. If both arguments herwise just print both arguments. | are numbers, print their sur (4.5 marks) |
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| rite a script to find out String is palindrome or not. | (5 marks) |
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| Write a c program for this process tree. Each node will print its name and PID but by not using printf(). (10 marks) | ٩ | | 2 |
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| 1. 2. |
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| System call for named pipe is |
| System call for unnamed pipe is |
| System call for generating key is |
| Explain functions and their arguments: shmid = shmget(key, MAXSIZE, IPC_CREAT 0666) |
| msgsnd(msgid,&msg,sizeof(msg),0) |
| write(fd,buffer,sizeof(buffer)); |
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| Bonus Question: Write anything which proves me you are a Linux User. Bonus marks depends on your creativity. |
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