

## 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:

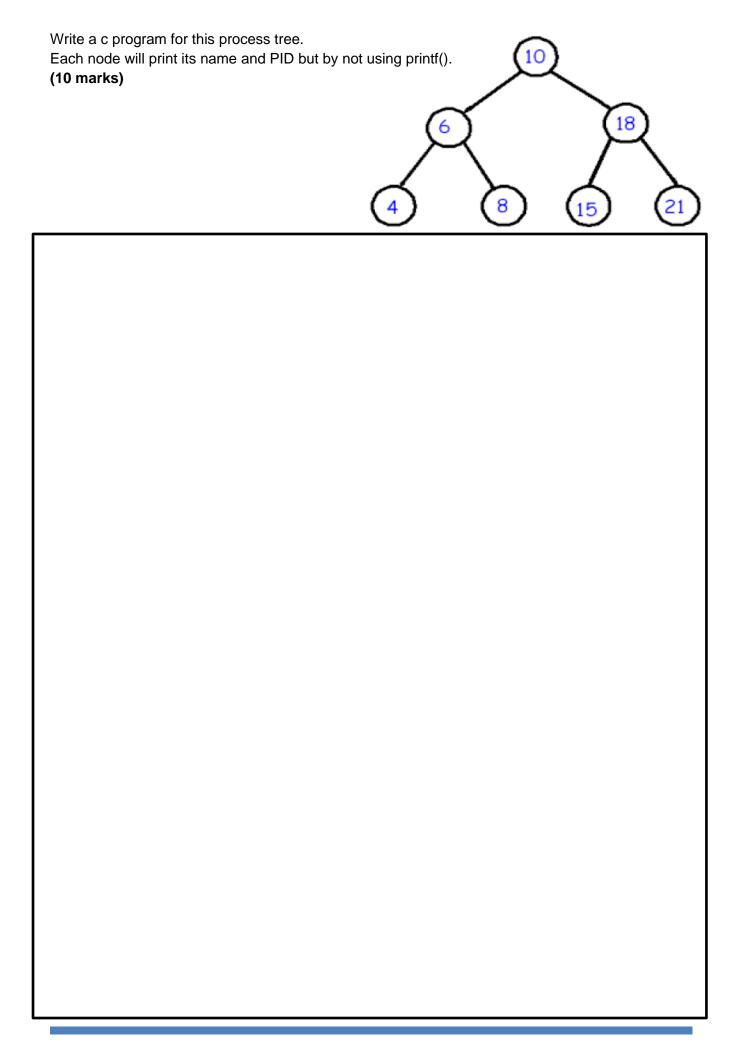
## **Instructions**

<ul> <li>Rules are made to break them. So, invent yours and I'll break.</li> </ul>	
Time: 60 minutes.	Max Marks: 40 points
	(5 marks)
1.Create the following directories with one command. dirOSLAB -> subDir -	-> subsubdir -> OSquiz
2. Create a shortcut link in /opt directory of the directory "quiz" present in ~/	'.
3. Create a write-only file in your home directory.	
4. List the files in the directory "/etc" that have "network" in their strings.	
5. Copy the contents of the file 'datum.txt' to a file datum_copied.txt	
for i in { 1 10 2 } do echo "Hey!!"	
done What is the output?	(2.5 marks)

<sup>&</sup>quot;Be willing to take a chance, because you never know how perfect something could turn out to be."

BEST OF LUCK!

Write a Bash script where you assign two strings to different variables, and then both of those strings. Write a version where the strings are printed on the same where the strings are printed on different lines.	
Write a shell script to accept 10 number and tell how many are +ve, -ve and zero in ascending order.	. Also display them (5 marks)
Write a function in Bash script called plier which multiplies together a sequence oplier 2 6 4 output: 48	of numbers. (5 marks)



Write System calls for Shared Memory other than shmget <b>(10 marks)</b> 1. 2.
System call for named pipe is
System call for unnamed pipe is
System call for pushing your message in queue is
Explain functions and their arguments: msgrcv(msgid,&msg,sizeof(msg),1,0);
magrov(magro,xmag,arzeor(mag), 1,0),
shmget(key, MAXSIZE, IPC_CREAT   0666);
write(fd,buffer,sizeof(buffer));
Bonus Question:
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