

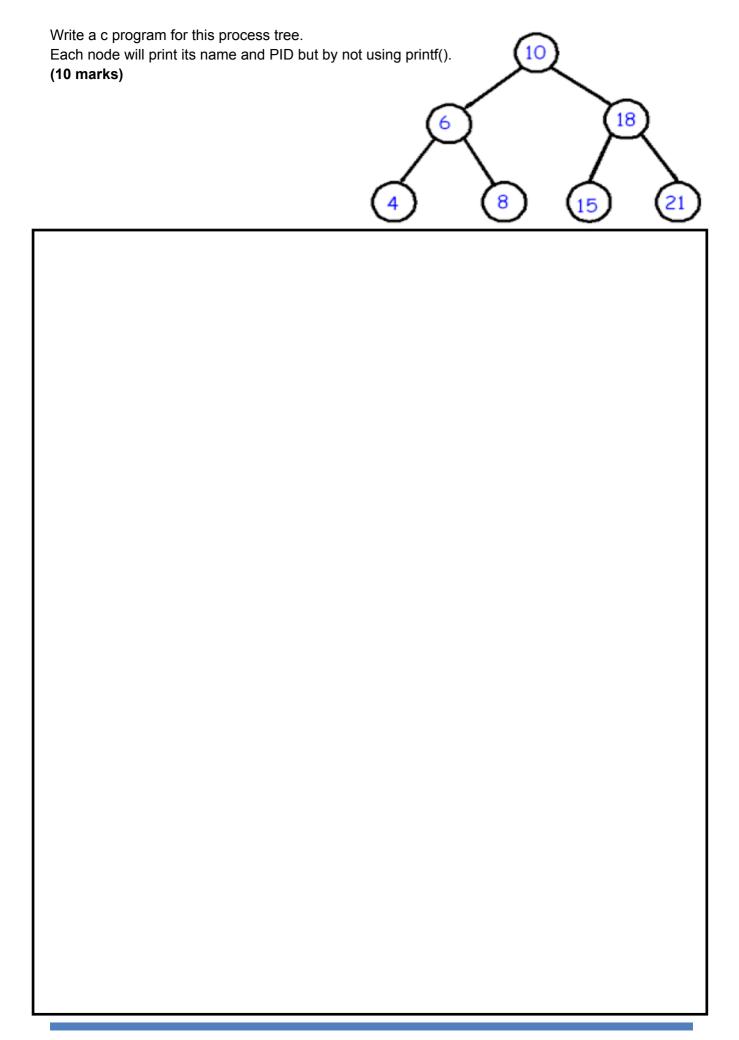
## National University of Computer & Emerging Sciences, Karachi Fall-2018 CS-Department



## Lab Mid

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Course Code: CL205 Course Name: Operating Systems Lab
Instructor Name: Sumaiyah Zahid
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.
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)

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 them in ascending order.  marks)	zero. Also display
Write a function in Bash script called plier which multiplies together a sequence of plier 2 6 4 output: 48	of numbers. (5 marks)



Write System calls for Shared Memory other than shmget (10 marks)  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);
shmast/key MAVSIZE IDC CDEAT LOSSS)
shmget(key, MAXSIZE, IPC_CREAT   0666);
write(fd,buffer,sizeof(buffer));
Bonus Question:
Bonus Question: Write anything which proves me you are a Linux User. Bonus marks depends on your creativity.