System Level Programming - CST 364-2
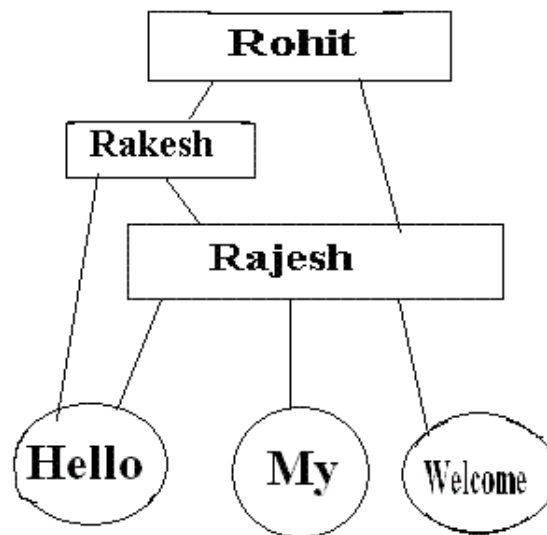
Mid Semester Examination- June 2023

Answer ALL Questions

Time Allowed: 45 Minutes

Each question is allocated 20 marks.

Q1 i.   Create the following directory and file structure in Linux. Write   5 marks
            all the required commands in the sequential order to create the
            directory structure. The rectangles indicate directories and the
            circles indicate files. Rohit is the top most directory in the
            hierarchy.

ii   The default file permission is needed to be set as follows.   5 marks
        rwxr--r--. Write the required command to set these permissions.

iii.   Write the required command to change the above file   5 marks
        permission as follows:

        rw-rw-rw-.

iv.   What are the permissions of the file *add.c* if you execute the   5 marks
        following command?

        chmod 652 add.c

Q2   Assume that you are currently inside 'Desktop' directory. Write suitable Linux commands to do the following tasks.

i.	Create a file called 'linux.txt' inside 'Desktop' directory.	2 Marks
ii.	Create a Directory called 'MyAssignment' inside 'Desktop' directory.	2 Marks
iii.	Copy the 'linux.txt' file from 'Desktop' to 'MyAssignment' directory.	2 Marks
iv.	Create a file called 'abc.txt' inside 'MyAssignment' directory.	2 Marks
v.	Assuming that there are some text content inside both 'linux,txt' and 'abc.txt' , then concatenate the both file content into new file called 'data.txt'.	2 Marks
vi.	Display the first five lines of the 'data.txt' file.	2 Marks
vii.	Display the last ten lines of the 'data.txt' file.	2 Marks
viii.	Rename the 'data.txt' file to new file name called 'slp.txt'.	2 Marks
ix.	Move the 'slp.txt' file from 'MyAssignment' to 'Desktop' directory.	2 Marks
x.	Delete the 'MyAssignment' directory with its content.	2 Marks