OPERATING SYSTEM LAB3

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Task-1

- Open Terminal

- Print current Working Directory

- Go to Root Directory and Print its content

- Go back to Desktop

Solution

- --use pwd command to print current working directory

- --use cd command to go to root directory

- --use ls command to print content of directory

Task-2

- Go to Desktop (if you are in some other directory)

- Create a new folder with name LAB-02 on desktop

- Go to that folder

- Create a file with name my_info.txt

- Add your name , Roll No., in that file

Solution

- --use cd command to go to next directory

- --use mkdir LAB-02 command to make a new directory

- --use cd command to go to that directory

- --use gedit filename.extension to make a new file

Task-3

- Create a New folder inside LAB-02 with name "Working"
- Create a file with name commonds.txt
- Write 10 command in that file with a brief description about command
- Create another folder inside LAB-02 with name "Destination"
- Copy the "Working/commonds.txt" file to "Destination"
- Go to Destination folder and print its content
- Exit from Terminal

Solution

- mkdir Working

- gedit commonds.txt

- Write 10 command in that file with a brief description about command

- mkdir Destination

- cp commonds.txt /home/user/Desktop/LAB2/Destination

- cd Destination

- cat, less, head, tail – try these commands

Task-4

- Open terminal

- Go to Lab-02 Folder

- Go to "Destination" folder

- Show the content of Commonds.txt in terminal

- Clear the terminal

- Show/Print the first 10 lines of commonds.txt

- Show/Print the last 10 lines of commonds.txt

Solution

o   cd Lab-02

o   cd Destination

o   cat Commonds.txt

o   clear

o   head commonds.txt

o   tail commonds.txt

Task-5

o   Create a new folder inside the Destination Folder with your Name

o   Move commonds.txt to newly created folder

o   Go to LAB-02 Folder

o   Create a New Folder with name "Delete ME"

o   Delete the newly created folder "Delete ME"

o   Delete the Destination Folder

o   Close the terminal with command

Solution

- mkdir yourName

- mv commonds.txt /yourName

- cd ..

- mkdir DeleteME

- rm DeleteME

- rm –r Destination

- exit

Task-6

- Open terminal

- Install the Build-essential

- Create a Hello_world.cpp in LAB-02/Working/

- Write code to print helloworld on screen (C++)

- Compile the code

- Run the code in terminal

Solution

o   Sudo get-apt Install build-essential

o   gedit Hello_world.cpp

o   Write code to print helloworld on screen (C++)

o   g++ Hello_world.cpp –o output

o   ./output

Task-7

- Create a new File with name Sum.cpp

- Write a code to take two input from user and Print the Sum of those number

- Compile and Run the code with g++

- Clear the terminal

Solution

- gedit Sum.cpp

- Write a code to take two input from user and Print the Sum of those number

- g++ sum.cpp –o output

- ./output

- clear

Assignment

- Modify last program with 4 operations, Add, Sub, Multiply , Divide
- Create a variable with name operation
- Write code to initialize the operation with 1 ,2 , 3 or 4
- When operation is 1 than take input from user and show the sum of variable
- When operation is 2 than take input from user and show subtraction
- When operation is 3 than take input from user and show multiplication
- When operation is 4 than take input from user and show division

Assignment

- We will use pointer in next lecture
- Review the pointer concept in cpp
- Run "cpp" program in Ubuntu