IZMIR INSTITUTE OF TECHNOLOGY

CENG313 - Operating System

Assignment 1

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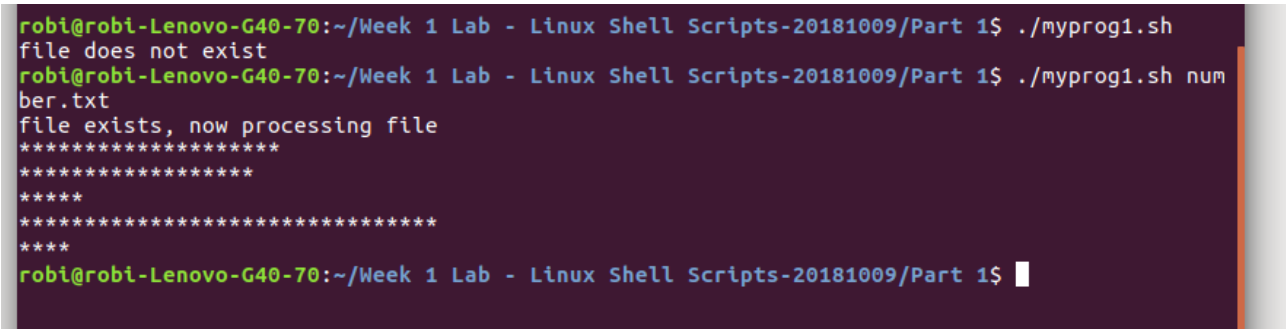
myprog1.sh

In this program shell script take single argument which is a file . Program read the file line by line and each line contains integer. Each integer value in the file is passed to **generate_star** function and that function print out a row of stars of the given length for each integer on the terminal. If the file does not exist, it will show "file does not exist" error massage.

Following screen shot displays the output:

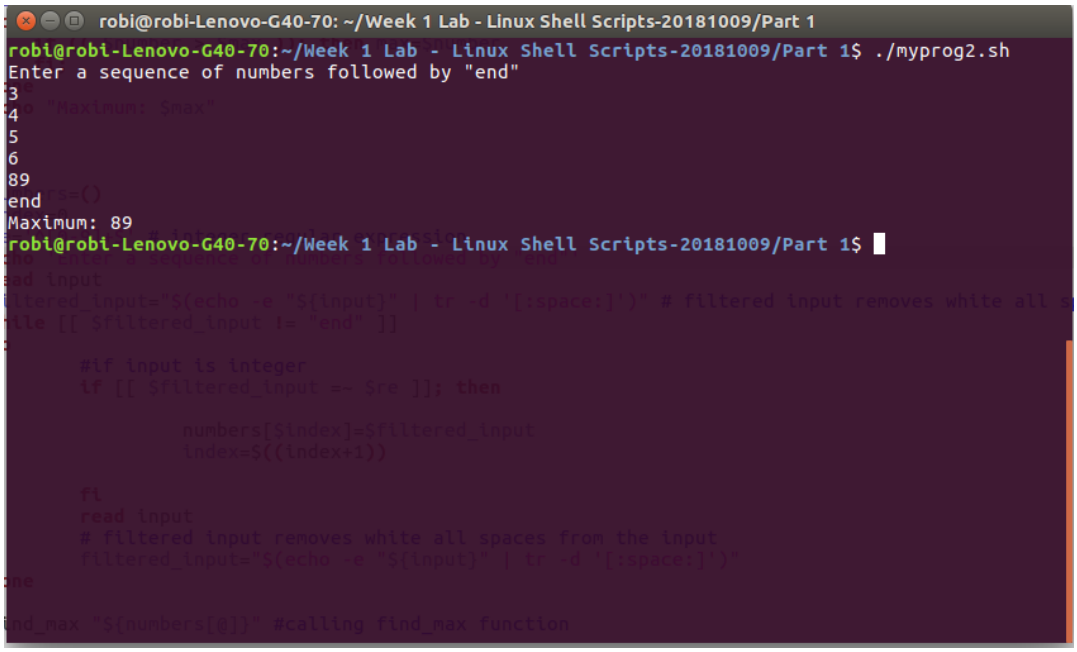


myprog2.sh

In this program, program reads input **one per line** and then input is filtered. A while loop controls each user inputs and check if the input is “end” (loop termination condition). If a input is integer then it is added into the array of integers otherwise that input is omitted. After while loop is done, program calls **find_max** function which takes array of integers as argument and find maximum number and print it on terminal.

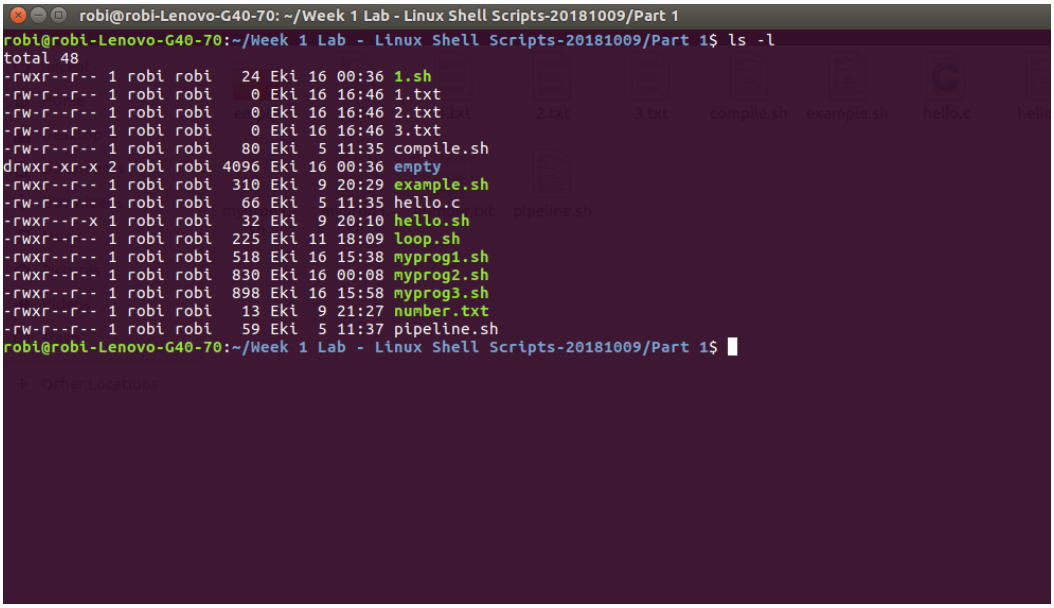
Note that filtering user input involves removing spaces inside the inputs. So “e n d” or “e nd” kind of inputs also acceptable.

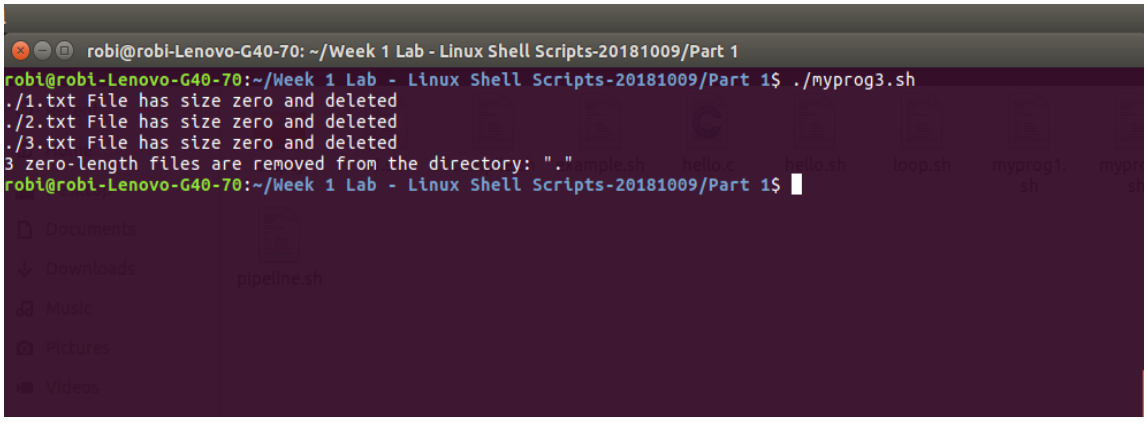
Following screen shot displays the output:

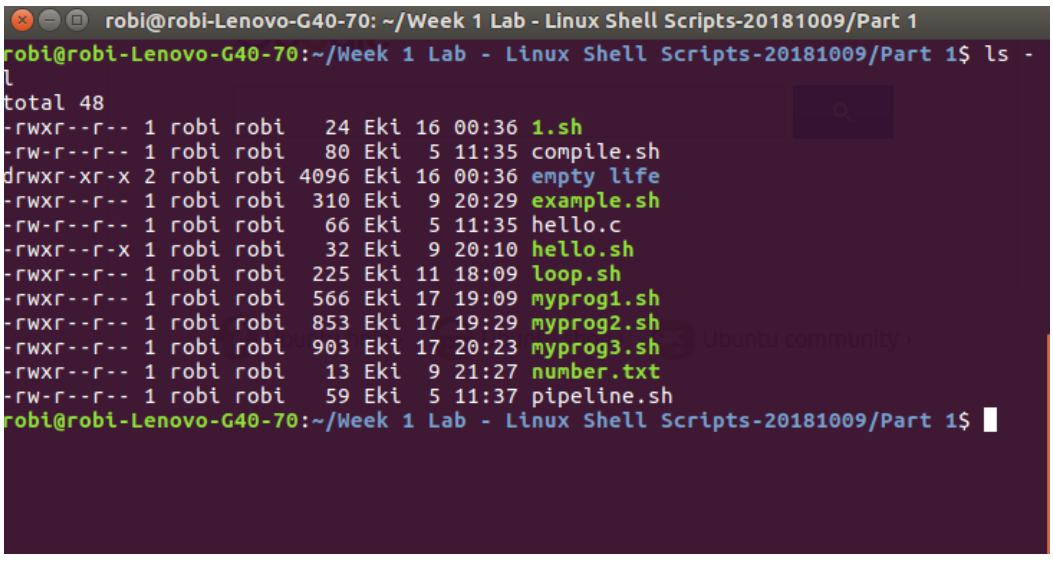


myprog3.sh

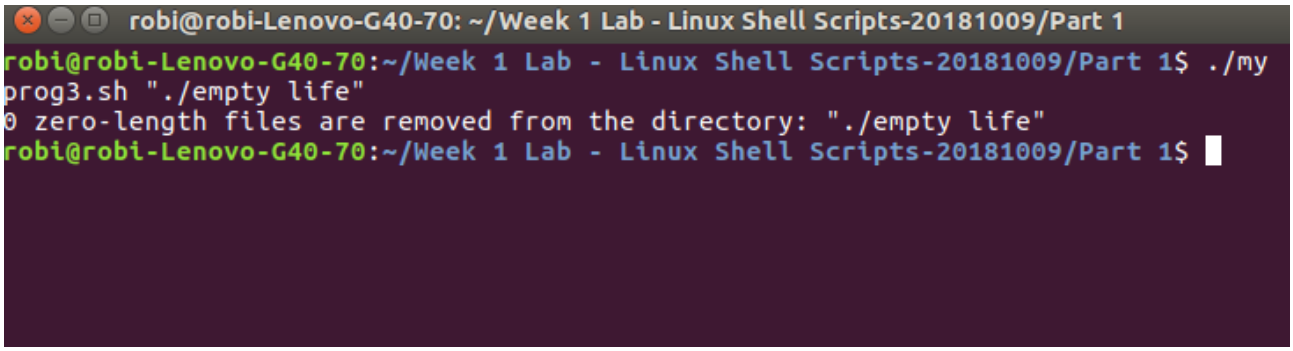
This shell script program that takes an optional argument as a directory. If no directory is given as argument then program works on current directory (“.”). The program first check the existence of the directory , if directory exist then it loop through the files and call **delete_zero_file** function. The function check if the file exist or not. If exist then it check if the file size is zero or not. If size is zero then return 1 otherwise return 0. After loop operation, total number of removed zero length file is printed on the terminal.
Following screen shot displays the output:







So when a file does not have zero size files or directory is empty it gives following output.



The file named “empty life ” is empty.