Project Report

Iteration 3

Group 12

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In this iteration, a process is made up for each directory which will contain several HTML files. Then that process will generate two other processes. One process will read the all html files isolate the body parts of the each HTML file and remove all HTML tags and escapes. The resultant phrases in the each HTML file are merged. The merged output is a standard output and it send to a file descriptor through **"dup2"**. Then the output is returned to the first process through unnamed pipeline.

Then the resultant output of the above mentioned process is send to a file descriptor and the file descriptor send through the unnamed pipeline to the 3rd process which will calculate the frequencies of the words using the code implemented in the iteration 1. The received file descriptor convert to the standard input using **"dup2"**. Then the output of this process is standard output and again it send to a file descriptor as mentioned above. Then it will again send to the 1st process through the unnamed pipeline.

After that the output from the 1st process will be send to another process using unnamed pipe which connected to another two processes, again using unnamed pipe. One of those two is a global hash table and the other one is creating a SVG file.

As the same procedure followed above, other directories also give output to the first process. Then the process containing the hash table will print the details in the hash table as standard output and it send to a file descriptor through **"dup2"**. Then the output is returned to the process which mentioned above. After that the output of the global hash table is send to another file descriptor. And that file descriptor sends to the process which have the ability to create the SVG file. Inside that process file descriptor convert to standard input using **"dup2"**. From the output of this process we can get SVG file.

SVG FILE
CREATING
PROCESSES

HTML TAG
REMOVER

DIRECTORY
FRQUENCY
COUNTER

DIRECRORY
PROCESSES

MAIN
PROCESSES

GLOBAL
HASH TABLE