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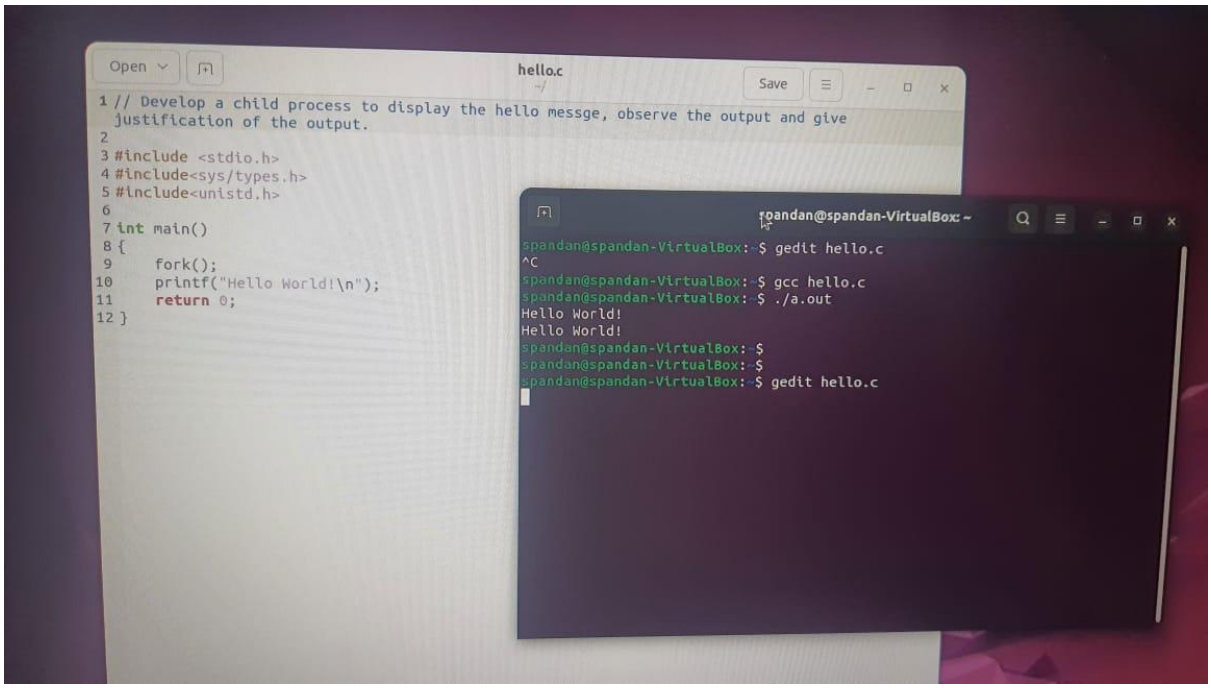
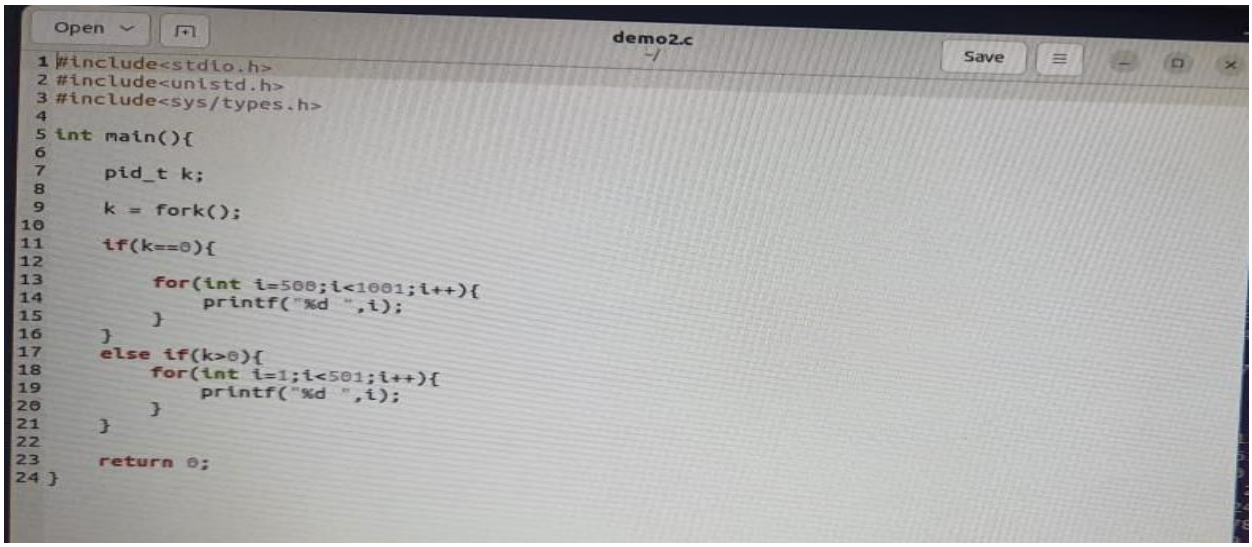
REGISTRATION NUMBER: 21BCE1132

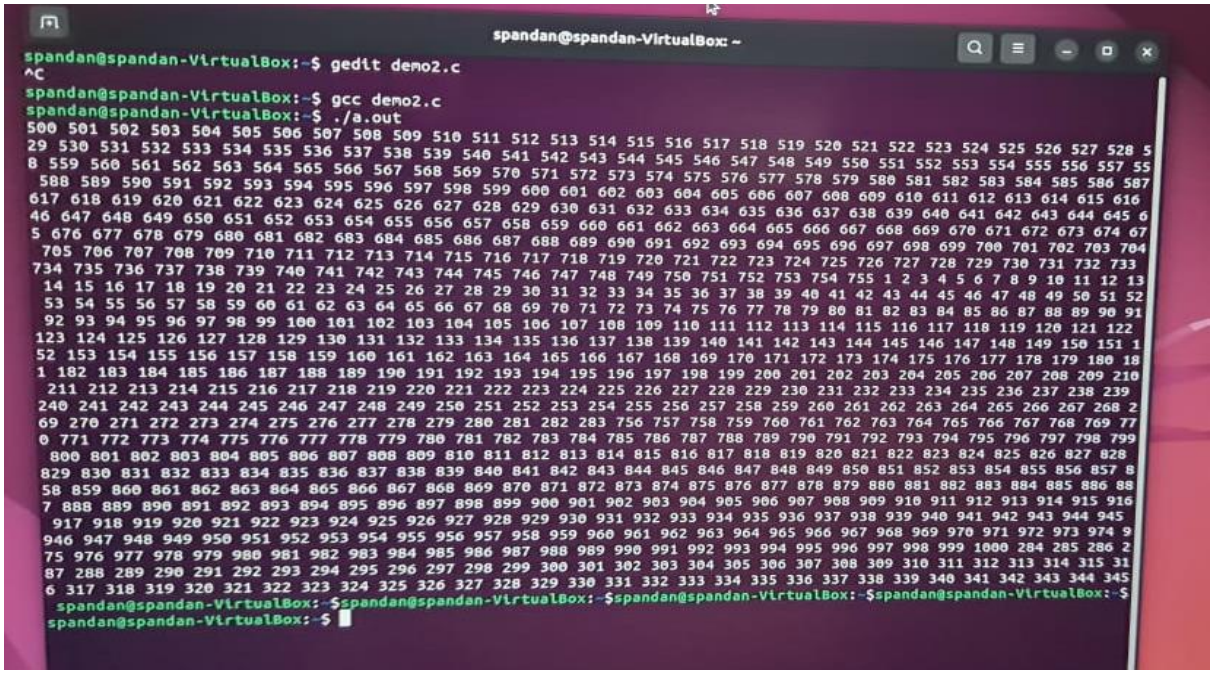
SUBJECT: OPERATING SYSTEM LAB – 2

1) Develop a child process to display the hello message, observe the output and give justification of the output.

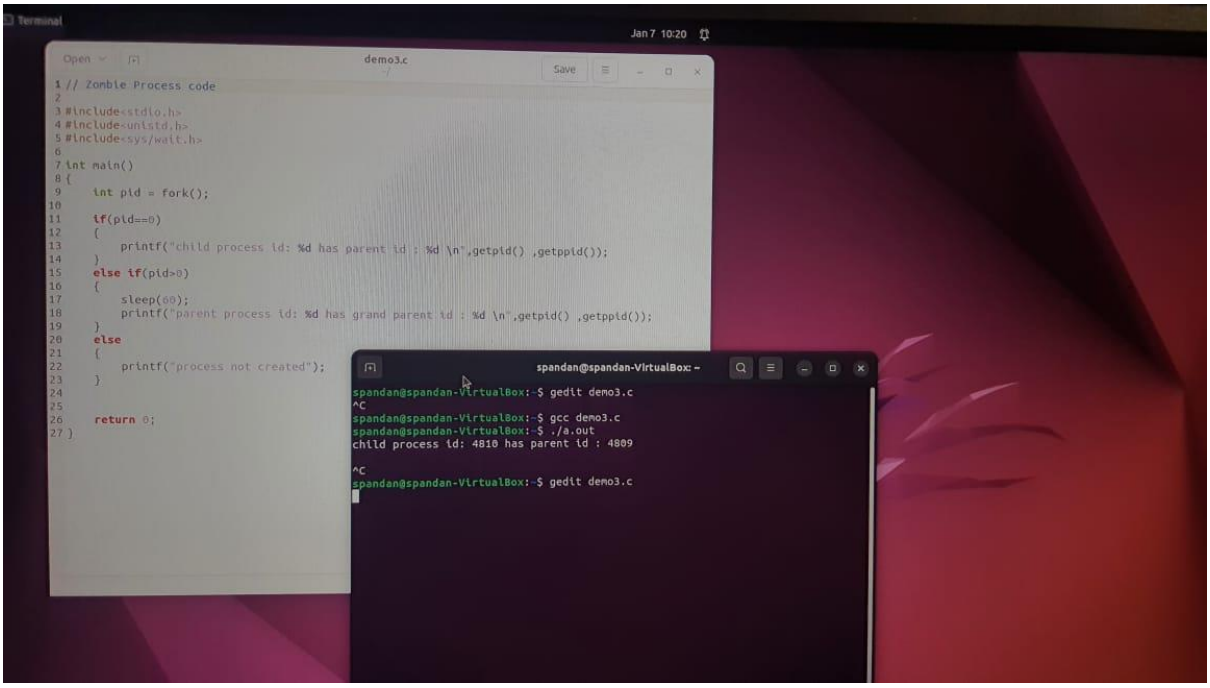


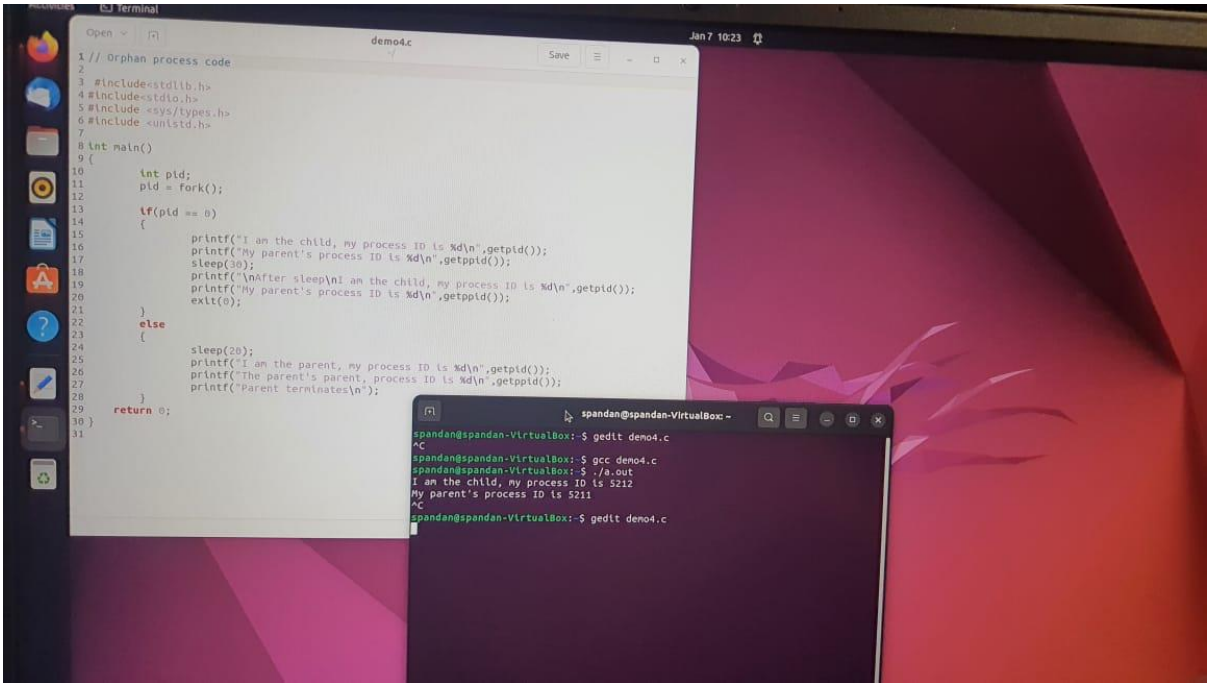
2) Develop a child process to display the numbers 500 to 1000 and parent process to display from 1 to 500. observe the output and give justification for the same.



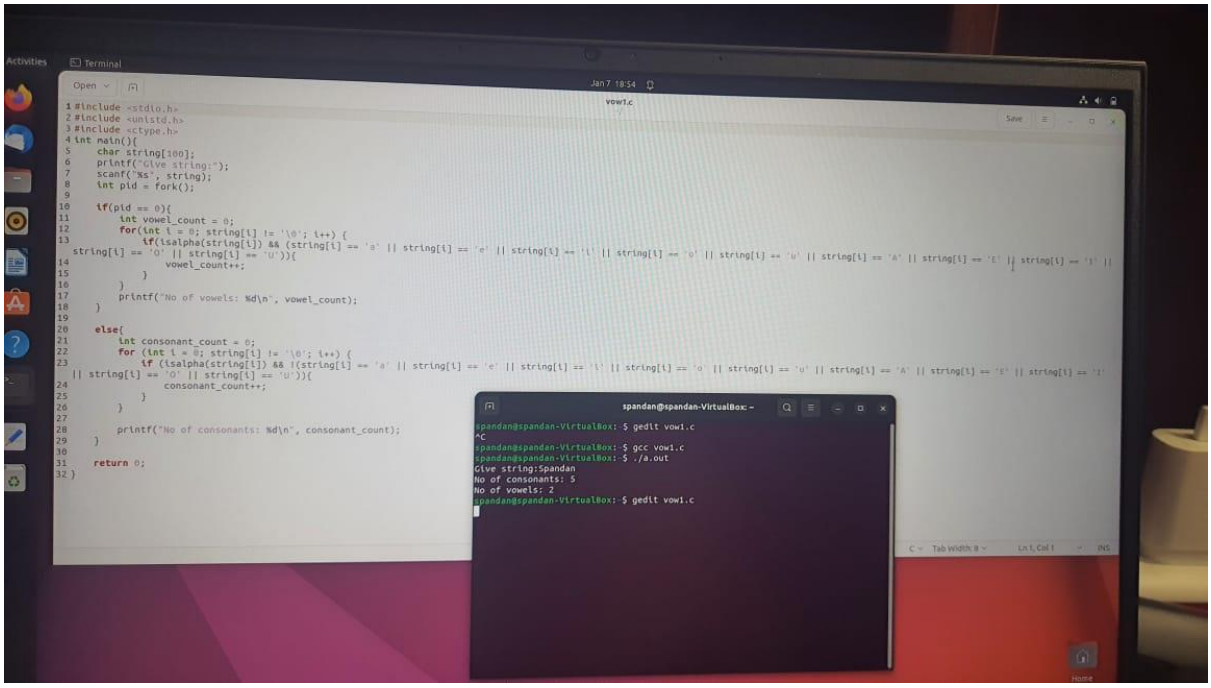


3) Show the code to create the Zombie and orphan processes with the explanation of how zombie process differs from orphan process.

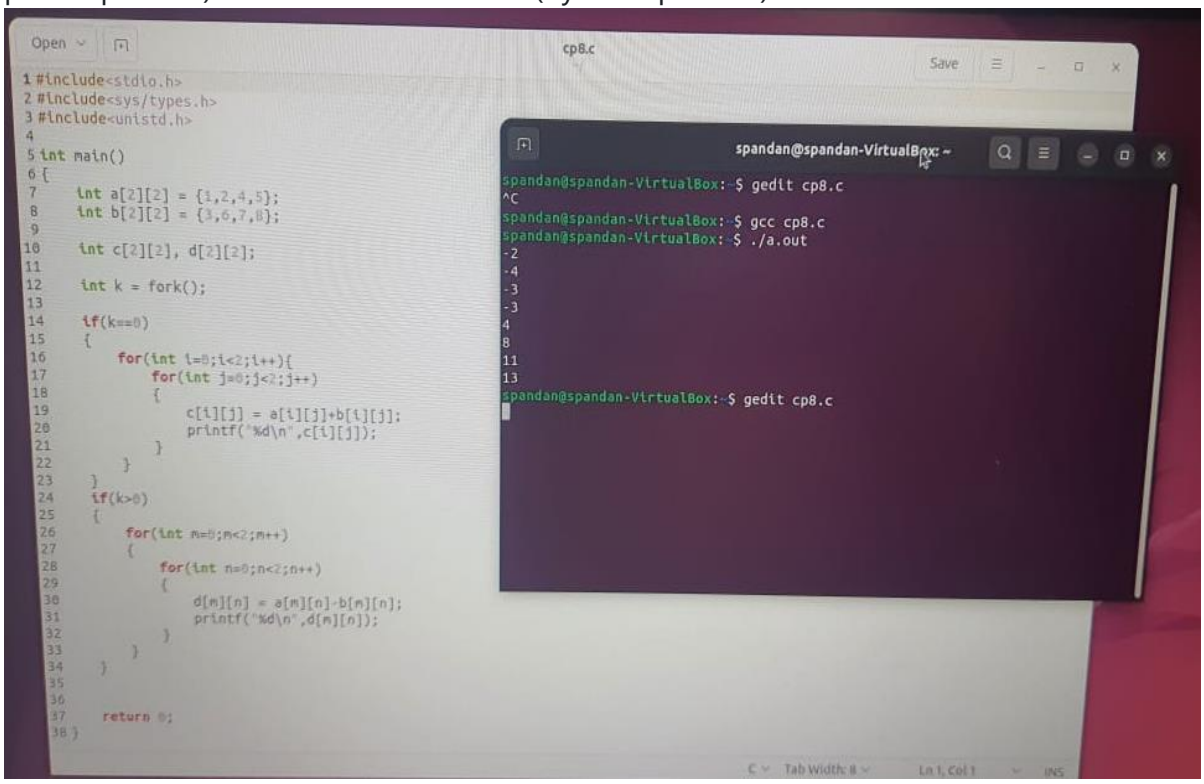




4) Develop a child process and parent process to count the vowels and consonants accordingly of the given string and display the output.



5) Develop a child process and parent process to perform the matrix addition (by parent process) and matrix subtraction (by child process)



6) Develop 3 child processes for doing the below tasks
Child process 1- check the given number is even or odd
Child process 2 - Check whether the given number is prime or not
child process 3 - Check whether the given number is divisible by 7 or not.