CASE STUDY – DAY 6

Software Requirement Specifications
Parent and Child Processes

Problem statement

Consider a file with a name data.txt having around 3000 bytes of data.

Write a program to create a parent and 3 child process, make parent process to wait for all three-child process to complete.

All three child processes will open data.txt and read data from file with following condition:

- First child will read from byte number 0 to byte number 1000,
- Second child will read from byte number 1001 to byte number 2000, and
- Third child will read from byte number 2001 till end of the file.

Store the entire data into another file in the correct order.

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Note: - No orphan process should get created.
- No extra processes should be created (apart from the three children processes)
- Implement using linux/unix system calls.