CS149

HW1

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Q1.

Chart

Description automatically generated

Process order: 1 – 7 – 8 – 10 – 10 – 7 - 9 – 9 – 2 – 3 – 3 – 3 – 4

Total number of process: 13

Q2.

a.

Text

Description automatically generatedGraphical user interface, text

Description automatically generated

* + The child process becomes an orphan process because a parent terminated without invoking wait(). Hence, OS assigns a system proc as the new parent.

1. These processes become zombie processes because PCB cannot be released until parent proc invokes wait().

Note: I tried to implement IPC and elapsed time, errors keeps appearing, so I ran the program without that part. However, in my c file, I will put what I have done with IPC so far. Thank you.