CSC 369 Worksheet 4 Solution

August 17, 2020

1. **Notes**

   - **Scheduling:**
     - Is a process at which allows one process to use the CPU while another is on hold, to make full use of CPU

   - **Turnaround Time:**
     - Is a performance metric
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$$T_{turnaround} = T_{completion} - T_{arrival} \tag{1}$$

   - $T_{completion} \rightarrow$ Time at which the job completes
   - $T_{arrival} \rightarrow$ Time at which the job arrived in the system

   - **FIFO scheduling algorithm:**
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   - **SJF scheduling algorithm:**
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   - **Response Time:**

$$T_{response} = T_{firstrun} - T_{arrival} \tag{2}$$

   - $T_{firstrun} \rightarrow$ First time a job is scheduled
   - $T_{arrival} \rightarrow$ Time at which the job arrived in the system