

## Cover Page

Course Number: CS 526  
Assignment number: hw7  
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Data structure used for D is an array list.

Data structure used for Q is a Heap Priority Queue import from  
`net.datastructures.HeapPriorityQueue;`

The whole java code is based on pseudocode from hw7 pdf, however, there are several addings and modifications.

1. While method in hw7 pdf is executed when D is not empty. It might be wrong cuz in some situation, D is already empty while Q is not, those processes in Q still need to be executed.
2. Get process with earliest arrival time in D is in a method called `getEarliest(ArrayList<Process> arr)`. And it is used in main method.