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1  /*****
2  * AUTHOR      : Nick Reardon
3  * Assignment #6 : Priority Queues
4  * CLASS       : CS1D
5  * SECTION     : MW - 2:30p
6  * DUE DATE    : 02 / 24 / 20
7  *****/
8  #ifndef _MAIN_H_
9  #define _MAIN_H_
10
11 //Standard includes
12 #include <iostream>
13 #include <iomanip>
14 #include <string>
15 #include "PrintHeader.h"
16
17 //Program Specific
18 #include "ArrayHeap.h"
19
20 #endif // _HEADER_H_
21
22 std::string ConvertTime(int totalMinutes, int startHour, bool hours24Style =
    false);
23
24 void DischargePatient(ArrayMaxHeap<std::string, int>& heap, int totalMinutes);
25
26 void AdmitPatient(ArrayMaxHeap<std::string, int>& heap, int totalMinutes);
27
28 void InterruptPatient(ArrayMaxHeap<std::string, int>& heap, int totalMinutes, int
    currentTimer);
29
30 void ResumePatient(ArrayMaxHeap<std::string, int>& heap, int totalMinutes, int
    currentTimer);
31
32 void PriorityPatient(ArrayMaxHeap<std::string, int>& heap, int totalMinutes);
33
```