

pQueue.c

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/*
File name: pQueue.c
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Class:
Assignment:
Purpose:
*/

#include "../include/pQueue.h"
#include <stdlib.h>

static const char * ERRORMSGS[] = {
    "NO ERROR",
    "NO PQUEUE CREATE",
    "EMPTY PQUEUE",
    "FULL PQUEUE",
    "INVALID PQUEUE",
    "NULL PTR"
};

const char* pqueueErrorString(PQ_ERRORCODE theError)
{
    const char* pString;
    switch(theError)
    {
        case PQ_NO_ERROR:
            pString = ERRORMSGS[0];
            break;
        case PQ_ERROR_NO_QUEUE_CREATE:
            pString = ERRORMSGS[1];
            break;
        case PQ_ERROR_EMPTY_QUEUE:
            pString = ERRORMSGS[2];
            break;
        case PQ_ERROR_FULL_QUEUE:
            pString = ERRORMSGS[3];
            break;
        case PQ_ERROR_INVALID_QUEUE:
            pString = ERRORMSGS[4];
            break;
        case PQ_ERROR_NULL_PTR:
            pString = ERRORMSGS[5];
            break;
        default:
            pString = ERRORMSGS[0];
            break;
    }
}
```

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    }  
    return pString;  
}
```