

pQueue.c

```
1 /*****
2 File name:  pQueue.c
3 Author:    $Author$
4 Date:
5 Class:
6 Assignment:
7 Purpose:
8 RevisionID: $Id$
9 *****/
10
11
12 static const char * ERRORMSGS[] = {
13     "NO ERROR",
14     "NO PQUEUE CREATE",
15     "EMPTY PQUEUE",
16     "FULL PQUEUE",
17     "INVALID PQUEUE",
18     "NULL PTR"
19 };
20
21
22 /*****
23 Function:    pqueueErrorString
24 Description: Provide a pointer to a character array holding a printable
25              translation of the error code provided as an argument.  If the
26              error code provided is invalid "NO ERROR" is returned.
27
28 Parameters:  theError - the error code to translate
29 Returned:    a pointer to a character array
30 *****/
31 const char* pqueueErrorString(PQ_ERRORCODE theError)
32 {
33     const char* pszString;
34     switch(theError)
35     {
36     case PQ_NO_ERROR:
37         pszString = ERRORMSGS[0];
38         break;
39     case PQ_ERROR_NO_QUEUE_CREATE:
40         pszString = ERRORMSGS[1];
41         break;
42     case PQ_ERROR_EMPTY_QUEUE:
43         pszString = ERRORMSGS[2];
44         break;
45     case PQ_ERROR_FULL_QUEUE:
46         pszString = ERRORMSGS[3];
47         break;
48     case PQ_ERROR_INVALID_QUEUE:
49         pszString = ERRORMSGS[4];
50         break;
51     case PQ_ERROR_NULL_PTR:
52         pszString = ERRORMSGS[5];
53         break;
54     default:
55         pszString = ERRORMSGS[0];
56         break;
57     }
58     return pszString;
59 }
60
```