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#ifndef __FUNCTION_H__
#define __FUNCTION_H__

#include <stdio.h>
#include <stdlib.h>
#include <string.h>

#define MAX_BOOK_NAME    50
#define MAX_AUTHOR_NAME  50
#define MAX_DEPARTMENT_NAME 50

/**
 * @brief structure for a book information
 *
 */
struct booksInfo
{
    unsigned int books_id;
    char bookName[MAX_BOOK_NAME];
    char authorName[MAX_AUTHOR_NAME];
    char department[MAX_DEPARTMENT_NAME];
    int pages;
    float price;
};

struct booksInfo book[10];
static int count=0;

/**
 * @brief take pin as input and returns the result
 *
 * @param pin
 * @return int
 */
int init(int pin);

/**
 * @brief add book info and return number of books
 *
 * @return int
 */
int addingBook();

/**

```

```

*
* @brief function to search for book based on the book name
*
*/
void searchBooks();

/**
* @brief function to list the books
*
*/
void viewBooks();

/**
* @brief to edit the book information with help of bood Id
*
*/
void updateBook();

/**
* @brief return the number of books in particular category
*
* @param dept_ty
* @param count
* @return int
*/
int noOfBooksByDepartment(char dept_ty[],int count);

#endif /* #define _FUNCTION_H__ */

```