PREDAC PROJECT

Data Structures Using C Programming

Write menu driven program for the following,

1. Create BookList

2. Issue Book

3. Return Book

4. Sort

5. Display Books Subjectwise

```
typedef struct Book
{
     int  bookkid;
     char bookname[30];
     char subject[30]
     char author[30];
     float price;
}BOOK;

typedef struct node
{
   BOOK info;
   BOOK *next;
}NODE;

typedef struct booklist
{
     NODE *head;
}BKLIST;
```

1. Create a BOOKLIST using above given structures.

2. Accept bookid to issue a book. If book is present in the BOOKLIST list then issue it. See to that   issued book will be deleted from original list and will be added to a new list. i.e. ISSUELIST.

3. Return a book by accepting a bookid from the user. If it exists in ISSUELIST then delete that respective node from ISSUELIST and add it back to a BOOKLIST.

4. Sort the BOOKLIST and ISSUELIST by bookid.

5. Accept bookname from the user and display list of books from BOOKLIST & ISSUELIST for given bookname. Write the output on console as well to a new file 'BookStatus.dat'.

Note: Include declaration in .h files.

Include definition of functions in separate files.

Use separate file for main.

Proper indentation of code and 20% comments are expected.

Evaluation for this project will be done on Friday 12 th Mar 2010 . This score will be considered as internal score with final course end exam score.