

# Mini Project Book

```
#include<stdio.h>
#include<string.h>
struct book
{
char bname[20];
int id;
char author[20];
int price;
};
struct book billfun(struct book* ,int);
struct book findbyid(struct book*, int);
struct book fbyauthor(struct book*,int);
struct book findbybookname(struct book*,int);
void main()
{
    struct book b[5];
    billfun(b,5);
    int i;
    int o;
    for(i=0;i<5;i++)
    {
        printf("\n Book Number : %d",i);
        printf("\nbook name is : %s ",b[i].bname);
        printf("\nbook id is : %d ",b[i].id);
        printf("\nbook author is : %s ",b[i].author);
        printf("\nbook price is : %d ",b[i].price);
        printf("\n");
    }

    printf("\nChoose searching options: \n 1 id \n 2 author \n 3 book name \n choose any one : ");
    scanf("%d",&o);
    if(o==1)
    {
        findbyid(b,5);
    }else
    {
        if(o==2)
        {

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        fbyauthor(b,5);
    }else
    {
        if (o==3)
        {
            findbybookname(b,5);
        }
    }
}

}

```

```

struct book billfun(struct book* b,int t)
{
    int i;
    for(i=0;i<t;i++)
    {
        printf("enter book name : ");
        scanf("%s",b[i].bname);
        printf("book id is : ");
        scanf("%d",&b[i].id);
        printf("book author is : ");
        scanf("%s",b[i].author);
        printf("book price is : ");
        scanf("%d",&b[i].price);
        printf("\n\n");
    }
}

```

```

struct book findbyid(struct book* b, int t )
{
    int i;
    int num;
    printf("\nenter the id here : ");
    scanf("%d",&num);
    for(i=0;i<t;i++)
    {
        if(num==b[i].id)
        {
            printf("\n Book Number : %d",i);
            printf("\nbook name is : %s ",b[i].bname);
        }
    }
}

```

```

        printf("\nbook id is : %d ",b[i].id);
        printf("\nbook author is : %s ",b[i].author);
        printf("\nbook price is : %d ",b[i].price);
        printf("\n");
    }
}
}

```

```

struct book fbyauthor(struct book* b,int t)
{
    int ans;
    int i;
    char fa[20];
    printf("\nenter the author name here : ");
    scanf("%s",fa);
    for(i=0;i<t;i++)
    {
        if(strcmp(fa,b[i].author)==0)
        {
            // printf("\n Book Number : %d",i);
            printf("\nbook name is : %s ",b[i].bname);
            // printf("\nbook id is : %d ",b[i].id);
            printf("\nbook author is : %s ",b[i].author);
            // printf("\nbook price is : %d ",b[i].price);
            printf("\n");
        }
    }
}

```

```

struct book findbybookname(struct book* b,int t)
{
    int i;
    char fb[20];
    printf("\nenter the book name here : ");
    scanf("%s",fb);
    for(i=0;i<t;i++)
    {
        if(strcmp(fb,b[i].bname)==0)
        {
            // printf("\n Book Number : %d",i);

```

```
    printf("\nbook name is : %s ",b[i].bname);  
    // printf("\nbook id is : %d ",b[i].id);  
    printf("\nbook author is : %s ",b[i].author);  
    printf("\nbook price is : %d ",b[i].price);  
    printf("\n");  
}  
}  
}
```