PPS Assignment Unit-V

Code:-

```
/* Coded by:-
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  CSE-BD H-2
  1009
  PPS Assignment */
#include <stdio.h>
#include <string.h>
struct Checkout_date
  int date, month, year;
};
struct return_date
{
  int date, month, year;
};
struct student_details
  char name[20],address[50];
  long phone;
  struct Checkout_date D[100];
  struct return_date RD[100];
};
struct book_details
  long Book_no;
  char Book_title[30],Author[15];
  char publisher[30];
  int Year_of_publication;
  char subject[15];
  struct student_details S[100];
  int status;
}B[2700];
int a,b,i=0,n=0;
```

```
int whatuwannado()
                                        //checked
{
  printf("Welcome!\n");
  printf("Please choose the following options:\n1 = Add new books\n");
  printf("2 = Search the library by book number, author, title, subject, keywords\n");
  printf("3 = Remove outdated books (all books older than 15 years)\n");
  printf("4 = Checkout books\n5 = return book\n6 = End Programme\n");
  scanf("%d",&a);
  return a;
}
int add_new_books()
                                        //Checked
{
  printf("Please enter following details:\n");
  printf("Book Number: ");
                                     scanf("%ld",&B[i].Book_no);
  printf("Book Title: ");
                                 scanf(" %[^\n]%*c",B[i].Book_title);
  printf("Author: ");
                                scanf(" %[^\n]%*c",B[i].Author);
  printf("Publisher: ");
                                 scanf(" %[^\n]%*c",B[i].publisher);
  printf("Year of Publiaction: ");
                                    scanf("%d",&B[i].Year of publication);
                                scanf(" %[^\n]%*c",B[i].subject);
  printf("Subject: ");
  printf("Book status: Available\n"); B->status=1;
  j++:
}
void search_book_no()
                                         //Checked
  long no;
  printf("Please enter the Book Number: ");
                                                  scanf("%ld",&no);
  for(int j=0;j <= i;j++)
  {
     if(no==B[j].Book_no)
          printf("Here are the details:\n");
          printf("Book Number: %Id",B[j].Book_no);
          printf("\nBook Title: %s",B[j].Book_title);
          printf("\nAuthor: %s",B[j].Author);
          printf("\nPublisher: %s",B[j].publisher);
          printf("\nYear of Publication: %d",B[j].Year_of_publication);
          printf("\nSubject: %s\n",B[j].subject);
          if(B[i].status==2)
          {
```

```
printf("Current status: Unavailable (Already issued by someone.)\n");
          }
          else if(B[j].status==3)
          {
             printf("Current status: Unavailable (The book is outdated!)\n");
          else if(B[j].status==1)
             printf("Current status: Available\n");
          break;
     }
  }
void search_author()
  char author[30];
  int r=-1;
                                                  scanf(" %[^\n]%*c",author);
  printf("Please enter the name of author: ");
  for(int j=0;j<=i;j++)
     r=strcmp(author,B[j].Author);
     if(r==0)
        printf("Here are the details:\n");
        printf("Book Number: %Id",B[j].Book_no);
        printf("\nBook Title: %s",B[j].Book_title);
        printf("\nAuthor: %s",B[j].Author);
        printf("\nPublisher: %s",B[j].publisher);
        printf("\nYear of Publication: %d",B[j].Year_of_publication);
        printf("\nSubject: %s",B[j].subject);
        if(B[i].status==2)
        {printf("\nCurrent status: Unavailable (Already issued by someone.)\n");}
        else if(B[j].status==3)
        {printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
        else if(B[j].status==1)
        {printf("\nCurrent status: Available\n");}
       break;
  }
}
```

```
void search_title()
                                      //Checked
{
  char title[20];
  int r=-1;
  printf("Please enter the Book Title: "); scanf(" %[^\n]%*c",title);
  for(int j=0;j<=i;j++)
     r=strcmp(title,B[j].Book_title);
     if(r==0)
     {
        printf("Here are the details:\n");
        printf("Book Number: %Id",B[j].Book_no);
        printf("\nBook Title: %s",B[j].Book_title);
        printf("\nAuthor: %s",B[j].Author);
        printf("\nPublisher: %s",B[j].publisher);
        printf("\nYear of Publication: %d",B[j].Year_of_publication);
        printf("\nSubject: %s\n",B[j].subject);
        if(B[j].status==2)
        {printf("Current status: Unavailable (Already issued by someone.)\n");}
        else if(B[j].status==3)
        {printf("Current status: Unavailable (The book is outdated!)\n");}
        else if(B[i].status==1)
        {printf("Current status: Available\n");}
        break;
     }
  }
}
void search_subject()
                                       //checked
{
  char sub[20];
  int r=-1;
  printf("Please enter the Subject: "); scanf(" %[^\n]%*c",sub);
  for(int j=0;j<=i;j++)
  {
     r=strcmp(sub,B[j].subject);
     if(r==0)
        printf("Here are the details:\n");
        printf("Book Number: %Id",B[j].Book_no);
        printf("\nBook Title: %s",B[j].Book_title);
```

```
printf("\nAuthor: %s",B[j].Author);
       printf("\nPublisher: %s",B[j].publisher);
       printf("\nYear of Publication: %d",B[j].Year_of_publication);
       printf("\nSubject: %s",B[j].subject);
       if(B[i].status==2)
       {printf("\nCurrent status: Unavailable (Already issued by someone.)\n");}
       else if(B[j].status==3)
       {printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
       else if(B[i].status==1)
       {printf("\nCurrent status: Available\n");}
       break;
     }
  }
void search keywords()
{
  char Key[15];
  printf("Please enter the keyword: ");
                                         scanf("%s",Key);
  int r=-1,t=-1,s=-1,p=-1;
  for(int j=0;j<=i;j++)
  {
     for (char *p1 = strtok(B[j].Book_title," "); p1 != '\0'; p1 = strtok(NULL, " "))
                                                                                      //checked
     {
       t=strcmp(p1,Key);
       if(t==0)
       printf("Here are the details:\n");
       printf("Book Number: %Id",B[j].Book_no);
       printf("\nBook Title: %s",B[j].Book_title);
       printf("\nAuthor: %s",B[j].Author);
       printf("\nPublisher: %s",B[j].publisher);
       printf("\nYear of Publication: %d",B[j].Year_of_publication);
       printf("\nSubject: %s",B[j].subject);
       if(B[j].status==2)
       {printf("\nCurrent status: Unavailable (Already issued by someone.)\n");}
       else if(B[j].status==3)
       {printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
       else if(B[j].status==1)
       {printf("\nCurrent status: Available\n");}
       }
     }
```

```
for (char *p2 = strtok(B[j].Author," "); p2 != '\0'; p2 = strtok(NULL, " "))
{
  r=strcmp(p2,Key);
  if(r==0)
  {
  printf("Here are the details:\n");
  printf("Book Number: %Id",B[j].Book_no);
  printf("\nBook Title: %s",B[j].Book_title);
  printf("\nAuthor: %s",B[j].Author);
  printf("\nPublisher: %s",B[j].publisher);
  printf("\nYear of Publication: %d",B[j].Year_of_publication);
  printf("\nSubject: %s",B[j].subject);
  if(B[j].status==2)
  {printf("\nCurrent status: Unavailable (Already issued by someone.)\n");}
  else if(B[i].status==3)
  {printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
  else if(B[j].status==1)
  {printf("\nCurrent status: Available\n");}
  }
}
for (char *p3 = strtok(B[j].publisher," "); p3 != '\0'; p3 = strtok(NULL, " "))
{
  p=strcmp(p3,Key);
  if(p==0)
  printf("Here are the details:\n");
  printf("Book Number: %Id",B[j].Book_no);
  printf("\nBook Title: %s",B[j].Book_title);
  printf("\nAuthor: %s",B[j].Author);
  printf("\nPublisher: %s",B[j].publisher);
  printf("\nYear of Publication: %d",B[j].Year_of_publication);
  printf("\nSubject: %s",B[j].subject);
  if(B[j].status==2)
  {printf("\nCurrent status: Unavailable (Already issued by someone.)\n");}
  else if(B[i].status==3)
  {printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
  else if(B[j].status==1)
  {printf("\nCurrent status: Available\n");}
  }
}
```

```
for (char *p4 = strtok(B[j].subject," "); p4 != "\0'; p4 = strtok(NULL, " "))
     {
        s=strcmp(p4,Key);
        if(s==0)
        {
        printf("Here are the details:\n");
        printf("Book Number: %Id",B[j].Book_no);
        printf("\nBook Title: %s",B[j].Book_title);
        printf("\nAuthor: %s",B[j].Author);
        printf("\nPublisher: %s",B[j].publisher);
        printf("\nYear of Publication: %d",B[j].Year_of_publication);
        printf("\nSubject: %s",B[j].subject);
        if(B[j].status==2)
        {printf("\nCurrent status: Unavailable (Already issued by someone.)\n");}
        else if(B[j].status==3)
        {printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
        else if(B[j].status==1)
        {printf("\nCurrent status: Available\n");}
     }
  }
}
void search()
  printf("Search the library by :\n1 = book number\n2 = author\n3 = title\n4 = subject\n5 =
keywords\n");
  scanf("%d",&b);
  switch(b)
  {
     case 1:
     search_book_no();
     break;
     case 2:
     search_author();
     break;
     case 3:
     search_title();
     break;
     case 4:
```

```
search_subject();
     break;
     case 5:
     search_keywords();
     break;
     default:
     break;
  }
}
void remove_outdated_books()
                                          //checked
{
  int y;
  printf("Enter Current year: "); scanf("%d",&y);
  y=y-15;
  for(int j=0;j<i;j++)
     if (B[j].Year_of_publication<y)</pre>
        B[j].status=3;
        printf("\nThe Book %s is outdated.\n",B[j].Book_title);
     }
  }
}
void Checkout_books()
                                       // checked
  long no;
                                                  scanf("%ld",&no);
  printf("Please enter the Book Number: ");
  for(int j=0;j<=i;j++)
  {
     if(no==B[j].Book_no)
       if(B[j].status==2 || B[j].status==3)
          printf("Sorry this book is unavailable.\n");
       else if(B[j].status==1)
          printf("Please enter the following details: \n");
                               scanf(" %[^\n]%*c",B[j].S[n].name);
          printf("Name: ");
          printf("Address: "); scanf(" %[^\n]%*c",B[j].S[n].address);
```

```
printf("Phone: "); scanf("%Id",&B[j].S[n].phone);
          printf("Checkout date details: \n");
          printf("date: "); scanf("%d",&B[j].S[n].D[n].date);
          printf("month: "); scanf("%d",&B[j].S[n].D[n].month);
          printf("year: "); scanf("%d",&B[j].S[n].D[n].year);
          printf("Return date details: \n");
          printf("date: "); scanf("%d",&B[j].S[n].RD[n].date);
          printf("month: "); scanf("%d",&B[j].S[n].RD[n].month);
          printf("year: "); scanf("%d",&B[j].S[n].RD[n].year);
          printf("This Book is issued successfully by: %s\n",B[j].S[n].name);
          B[i].status=2;
          printf("Current Book status: Unavailable\n");
       }
    }
  }
void return_books()
                                    //checked
  char name[20];int r;
  printf("Please enter your name: ");
                                       scanf("%s",name);
  for(int j=0;j<=i;j++)
  {
     for(int k=0;k\leq n;k++)
     {
       r=strcmp(name,B[j].S[k].name);
       if(r==0)
       {
          printf("Book details: \nBook Number: %Id",B[j].Book_no);
          printf("\nBook Title: %s",B[i].Book title);
          printf("\nAuthor: %s",B[j].Author);
          printf("\nlssued by: \nName: %s",B[j].S[k].name);
          printf("\nAddress: %s",B[j].S[k].address);
          printf("\nPhone: %Id",B[j].S[k].phone);
          printf("\nThis book is returned successfully!");
          printf("\nCurrent Book status: Available\n");
          B[j].status=1;
          break;
       }
  }
```

```
int main()
{
  start:
  a=whatuwannado();
  switch(a)
  {
     case 1:
    add_new_books();
    break;
     case 2:
     search();
     break;
     case 3:
    remove_outdated_books();
     break;
     case 4:
    Checkout_books();
     break;
     case 5:
    return_books();
     break;
     case 6:
    goto end;
     break;
    default:;
  }
  goto start;
  end:
  printf("Programme ended. Have a nice day :-)");
  return 0;
}
```

Code Pics

```
18CSS101J- NITHYAKANI PPS H2 X S WhatsApp
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Coded by:-
Akshat Gaur
RA1911027010051
CSE-BD H-2
1009
PPS Assignment */
                             #include <stdio.h>
#include <string.h>
struct Checkout_date
                             struct return_date
                                      int date,month,year;
                             struct student_details
                                      char name[20],address[50];
long phone;
struct Checkout_date D[100];
struct return_date RD[100];
                             struct book_details
                                     long Book_no;
char Book_title[30],Author[15];
char publisher[30];
int Yea_of_publication;
char subject[15];
struct student_details S[100];
int status;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         へ 知 信 中) ENG 10:10 PM US 28-Apr-20
                                                                                                                                O # 🟦 🧑 🤮 🔚 🚣 👺 🚾
Type here to search
 29 {
30     long Book_no;
31     char Book_title[30],Author[15];
32     char publisher[30];
33     int Year_of_publication;
34     char subject[15];
35     struct student_details S[100];
36     int status;
37     ]B[2700];
38     long Book_no;
39     long Book_no;
31     long Book_no;
32     long Book_no;
33     long Book_no;
34     long Book_no;
35     long Book_no;
36     long Book_no;
37     long Book_no;
38     long Book_no;
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39     long Book_no;
30     long Book_no;
31     long Book_no;
32     long Book_no;
33     long Book_no;
34     long Book_no;
35     long Book_no;
36     long Book_no;
37     long Book_no;
38     long Book_no;
39     long Book_no;
30     long 
                                          print ("Welcomel\n");
print ("Please choose the following options:\n1 = Add new books\n");
print ("2 = Search the library by book number, author, title, subject, keywords\n");
print ("3 = Remove outdated books (all books older than 15 years\\n");
print ("4 = Checkout books\n5 = return book\n6 = End Programme\n");
scanf("%d", %a);
return a;
                 44
45
46
47
48
49
50 }
51
52 in
                             int add new books()
                                                      tr("Please enter following details:\n");
tr("Book Number: ");
tr("Book Title: ");
tr("Book Title: ");
tr("Author: ");
tr("Publisher: ");
tr("Publisher: ");
tr("Year of Publiaction: ");
tr("Year of Subliaction: ");
tr("Subject: ");
tr("Book status: Available\n");
B->status=1;
             Type here to search
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18CSS101J- NITHYAKANI PPS H2 x S WhatsApp
                                                                                                       ← → C • onlinegdb.com/online_c_compiler?_d_chl_jschl_tk_=3683c72954a786922b444d594583e15b63186139-1588089251-0-AenlattJ8_tUkA68c6YIMk4cKaAHQ-oj9vrplzX0PgfTqvazWO9wi_qR60hZp6i... ☆ © 6 A : Language C • 10 ⊙
              print=("Here are the details:\n");
print=("Book Number: %id",B[j].Book_no);|
print=("NsBook Title: %s',B[j].Book_title);
print=("NsUnther: %s',B[j].Author);
print=("Nnybulisher: %s",B[j].publisher);
print=("Nrybulisher: %s",B[j].year_of_publication);
print=("NsUnject: %s\n",B[j].subject);
if=(B[j].status==2);
                                                        { print*("Current status: Unavailable (Already issued by someone.)\n");
                                                              se if(B[j].status==3)
                                                        {
    printf("Current status: Unavailable (The book is outdated!)\n");
                                                            lse if(B[j].status==1)
                                                        { | printf("Current status: Available\n");
                                                                                                                                                                                                                                                                                                                                                    A /
                                                                                                                                                                                                                                                                                                        へ 🖦 🦟 🕩 ENG 10:10 PM US 28-Apr-20
 O H 🟦 🧑 옅 🚞 🛕 👺 🐠
r=strcmp(author,B[j].subject);
if(r==0)
                                              char title[20]; int r=-1; printf("please enter the Book Title: "); scanf(" (^n,^)": sc
                                                  rcmp(title,B[j].subject);
                                                                                                                                                                                 input
                                                                                                                                                                                                                                                                                                         へ 知 (f. d)) ENG 10:10 PM US 28-Apr-20 ■
 Type here to search
                                                                                          O # 🟦 🧑 🤚 🚞 🚣 👺 짾
```

```
char title[20]; int r=-1; print*("Please enter the Book Title: "); scanf(" (-\infty, -\infty, -\infty)); for(int j=0;j<=i;j++)
                                   r=strcmp(title,B[j].subject);
if(r==0)
                                                                                                             f | file |
f | fi
                                       153 void search_subject()
154 - {
                                                                                     char sub[20]; int r=-1; print*("Please enter the Subject: "); scenf(" (^n )^* c^*, sub); for(int j=0;j<=i;j++)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        input
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   へ 知 (編 中)) ENG 10:11 PM US 28-Apr-20 🗒
    O # 💼 🧑 🤤 🚞 🛕 👺 🐠
 157 for (int 162 | 163 | 164 | 165 | 166 | 167 | 168 | 167 | 168 | 179 | 172 | 173 | 174 | 175 | 178 | 179 | 180 | 181 | 182 | 182 | 184 | 185 | 186 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
                                                                                                      r=strcmp(sub,B[j].subject);
if(r==0)
                                                                                                                         print("Here are the details:\n");
print("Book Number: %id",B[j].Book_no);
print("\nBook Title: %s",B[j].Book_title);
print("\nAuthor: %s",B[j].Author);
print("\nPaulisher: %s",B[j].publisher);
print("\nYear of Publiaction: %d",B[j].Year_of_publication);
print("\nYear of P
                                                                                                                         ir(b[j]:status==3)
{printf("\nCurrent status: Unavailable (Abreud)
else if(B[j].status==3)
{printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
else if(B[j].status==1)
{printf("\nCurrent status: Available\n");}
                                                              void search_keywords()
                                                                          char Key[15];
print:("Please enter the keyword: ");
int r==1,t==1,s==1,p==1;
for(int j=0;j<=1;j++);
{
    for (char *p1 = strtok(B[j].Book_ti</pre>
                                                                                                                                                                                                                                                                                                                   scanf("%s",Key);
                                                                                                                                                                                                                              ok(B[j].Book_title," ");    p1 != '\0';    p1 =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      input
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ^ □ (€ d)) ENG 10:11 PM US 28-Apr-20 ■
    Type here to search
                                                                                                                                                                                                                                               O # 🟦 🧑 옅 🔚 🚣 👺 짾
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```
18CSS101J- NITHYAKANI PPS H2 X S WhatsApp
                                                                               X 9 Online C Compiler - online editor X 📳 Untitled document - Google Do: X 🛨
int r=-1,t=-1,s=-1,p=-1;
for(int j=0;j<=i;j++)
                               for (char *p1 = strtck(B[j].Book_title," "); p1 != '\0'; p1 = strtck(NULL, " "))
                                    f
printi("Here are the details:\n");
printi("Book Number: %ld",B[j].Book_no);
printi("NoBook Title: %s",B[j].Book_title);
printi("NnAuthor: %s",B[j].Author);
printi("NnPublisher: %s",B[j].publisher);
printi("NnYear of Publiaction: %d",B[j].Year_of_publication);
printi("NnSubject: %s",B[j].subject);
if(B[j].status==2)
{printi("NnCurrent status: Unavailable (Already issued by someone.)\n");}
also is(R[d].status==2)
                                   lif(B[j]:Status=
(printf("\nCurrent status: Unavailable (Aireau)
else if(B[j]:status==3)
{printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
else if(B[j]:status==1)
{printf("\nCurrent status: Available\n");}
                             for (char 'p2 = strtok(8[j].Author," "); p2 != '\0'; p2 = strtok(NULL, " ")) {
                                              ("Here are the details:\n");
("Book Number: %1d",B[j].Book_no);
("\nBook Title: %s",B[j].Book_title);
                                                                                                                                                                                                                                                                  A /
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rtok(B[j].Author," "); p2 != '\0'; p2 = strtok(NULL, " "))
                                    r=strcmp(p2,Key);
if(r==0)
                                   if("==0)
printf("Here are the details:\n");
printf("Book Number: %ld",B[j].Book_no);
printf("NBook Title: %s",B[j].Book_title);
printf("\nBook Title: %s",B[j].Book_title);
printf("\nPublisher: %s",B[j].publisher);
printf("\nPublisher: %s",B[j].subject);
if(B[j].status==2)
printf("\nCurrent status: Unavailable (Already issued by someone.)\n");}
else if(B[j].status==3)
printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
else if(B[j].status==1)
printf("\nCurrent status: Available\n");}
}
                             for (char "p3 = strtok(B[j].publisher," "); p3 != '\0'; p3 = strtok(NULL, " "))
{
                                   p=stromp(p3,Key);
if(p==0)
                                     f
print("Here are the details:\n");
print("Book Number: %ld",B[j].Book_no);
print("NBook Title: %s",B[j].Book_title);
print("\ntuther: %s",B[j].Book_title);
print("\ntuther: %s",B[j].Author);
print("\ntuther: %s",B[j].publisher);
print("\ntuther: %s",B[j].subject);
if(B[j].status==2)
{
crunt("\ntuther: %status: Unavailable (Already issued by someone.)\n");}
else if(B[j].status==3)
                                                                                                                                      input
                                                                                                                                                                                                                                  ^ (= (4)) ENG 10:11 PM US 28-Apr-20 ■
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          (char *p3 = strtok(B[j].publisher," "); p3 != '\0'; p3 = strtok(NULL, " "))
                                     f(printf("Here are the details:\n");
printf("Book Number: %ld",B[j].Book_no);
printf("NBook Title: %s",B[j].Book_no);
printf("\nAuthor: %s",B[j].Book_title);
printf("\nYear of Publisation: %d",B[j].Year_of_publication);
printf("\nYear of Publisation: %d",B[j].Year_of_publication);
printf("\nYear of Publisation: %d",B[j].Year_of_publication);
printf("\nYear of Publisation: %d",B[j].Year_of_publication);
printf("\nYeur house is detailed;);
if(B[j].status==2)
{printf("\nCurrent status: Unavailable (Already issued by someone.)\n");}
else if(B[j].status==3)
{printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
else if(B[j].status==1)
{printf("\nCurrent status: Available\n");}
}
                                for (char *p4 = strtok(B[j].subject," "); p4 != '\0'; p4 = strtok(NULL, " "))
                                      s=strcmp(p4,Key);
if(s==0)
                                      f
printf("Here are the details:\n");
printf("Book Number: %Id",B[j].Book_no);
printf("NaBook Title: %s",B[j].Book_title);
printf("Nakthor: %s",B[j].Book_title);
printf("Nakthor: %s",B[j].publisher);
printf("Nakthor: %s",B[j].publisher);
printf("Nablect: %s",B[j].subject);
if(B[j].status==2)
{printf("\nCurrent status: Unavailable (Already issued by someone.)\n");}
else if(B[j].status==3)
                                                                                                                                                                                                                                                                               input
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printf("\nCurrent status: Unavailable (The book is outdated!)\n");}
ise if(B[j].status==1)
printf("\nCurrent status: Available\n");}
          printf("Search the library by :\n1 = book number\n2 = author\n3 = title\n4 = subject\n5 = keywords\n");
scan'("%d",&b);
switch(b)
{
                                case 1:
search_book_no();
                                search_author();
                                search_title();
                                search_subject();
                                search_keywords();
                  void remove outdated books()
                                                                                                                                                                                                                                             ^ (= (4)) ENG 10:11 PM US 28-Apr-20 ■
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| Name | 
                        void remove_outdated_books()
                            int y;
prant*("Enter Current year: "); scanf("%d",&y);
y=y-15;
for (int j=0;j<=i;j++)
,</pre>
                                      if (B[j].Year_of_publication∢y)
                                       {
    [B[j].status=3;
    grintf("\nThe Book %s is outdated.\n",B[j].Book_title);

                             if(no==B[j].Book_no)
                                          if(B[j].status==2 || B[j].status==3)
{
    printf("Sorry this book is unavailable.\n");
                                              }
else if(B[j].status==1)
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 if(no==B[j].Book_no)
                                               if(B[j].status==2 || B[j].status==3)
{
                                                                     B[j].status=2;
printf("Current Book status: Unvailable\n");
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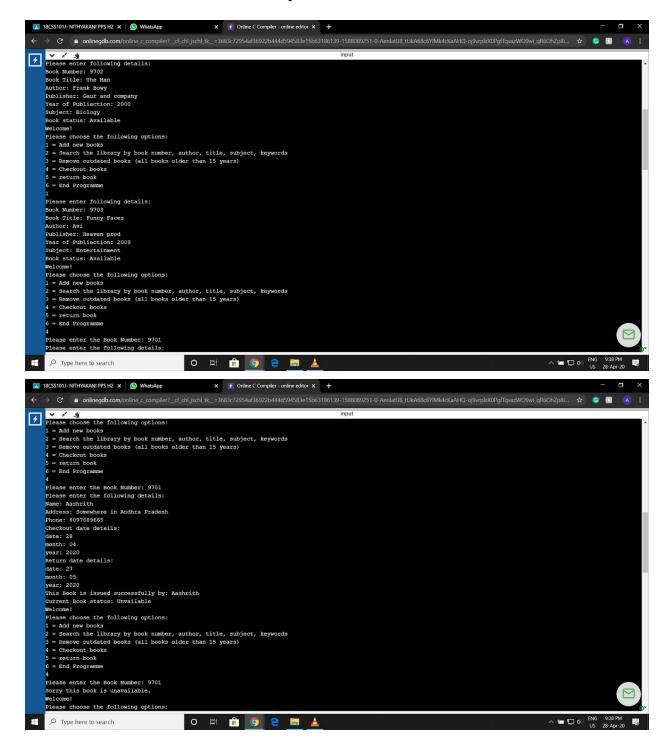
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4
                                                                                                                printf("Book details: \nBook Number: %ld",B[j].Book_no);
printf("\nBook Title: %a",B[j].Book_title);
printf("\nAuthor: %a",B[j].Author);
printf("\nAuthor: %a",B[j].S[k].name);
printf("\nAddress: %a",B[j].S[k].address);
printf("\nHone: Xld",B[j].S[k].phone);
printf("\nThis book is returned successfully!");
printf("\nCurrent Book status: Available\n");
B[j].status=i;
break:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A /
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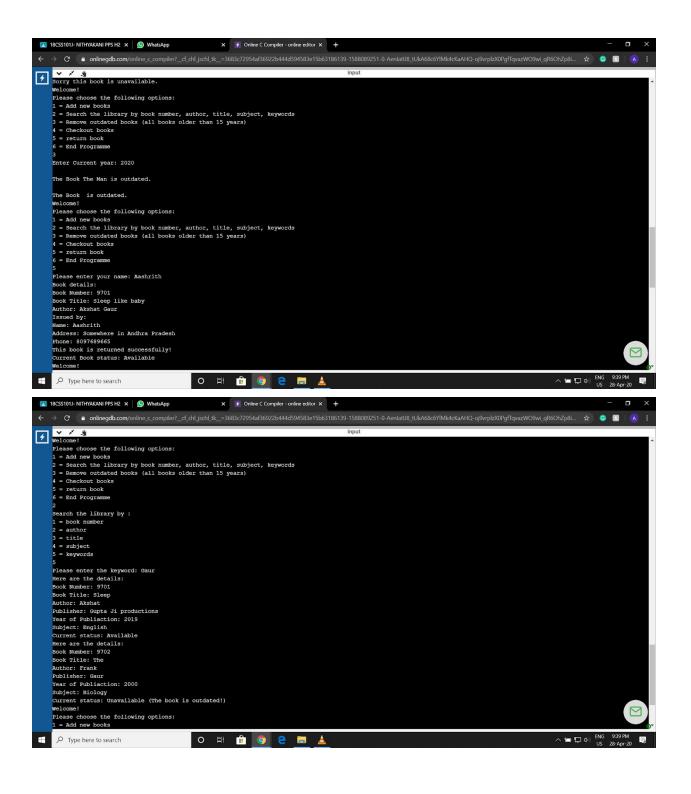
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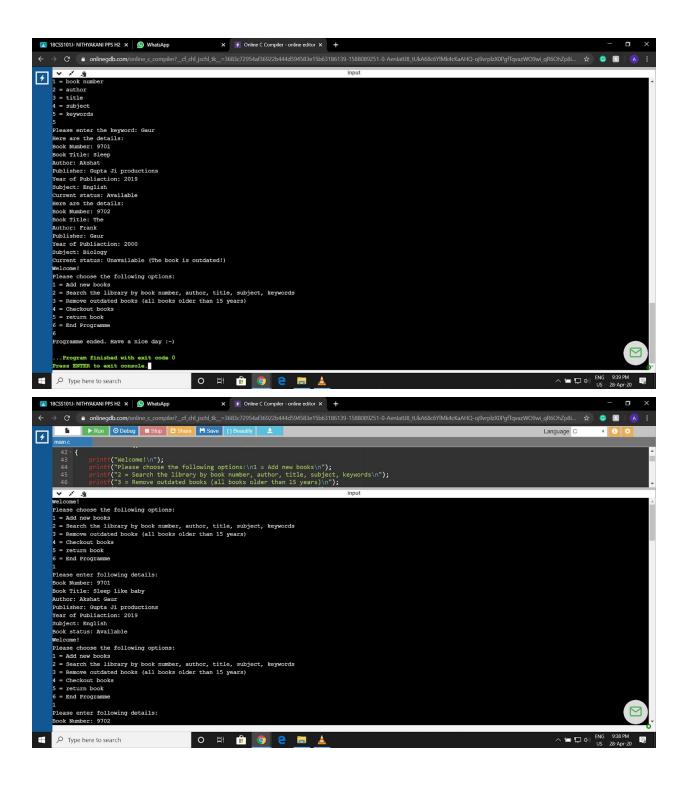
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                          373 }
374 }
375 int main()
377 {
378 a what switch()
381 {
382 add
384 bre
385 cas
386 sea
387 bre
388 cas
386 sea
387 bre
387 cas
389 bre
391 cas
392 Che
393 bre
394 cas
395 ret
397 cas
398 got
399 bre
401 }
402 goto st
403 end:
404 end:
405 prant()
406 return
407 }
                                                                 a=whatuwannado();
switch(a)
                                                                                  add_new_books();
                                                                                  search();
                                                                              remove_outdated_books();
                                                                                  Checkout_books();
                                                                                return_books();
                                                                                  break;
case 6:
goto end;
break;
default:;
                                                                   printf("Programme ended. Have a nice day :-)");
return 0;
                       A /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.
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Output Pics







THANK YOU

Submitted by:- Akshat Gaur

Reg. no.:- RA1911027010051

Class:- CSE-BD Sec.:-H-2

Classroom:- 1009 Subject:- PPS