## Computer project on Library Vanagement System Aprin Rupsar, D-64, Stream: CBE(AIML) EN-12022002016052

// block 1 II to import Standard input and output #include < stdio. h> I do import clear statements, etc. (if any) #include < conio.h> 11 to import standard libraries # unclude < stdlib-h> 11 do import strings and use strings #irclude <string.h> 11 block 2 1/ declare all mariables which store their respective Il dataresing streeture (likeary) Street library // store the name of the book that char book name [100]; 11 Stole the name of the suthor of the book Shar author\_name [100]; I store the cast of the book Hoat Cost; To store the number of phages of the knock int no of pages.

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fruint f ("3. Display the total no of koops in the library");

fruint f ("4. Exit \n\n");

fruint f ("Enter the number:");

Sean f ("1.d", & 1); 11 block 3.1.1 Switch (7) Hin order so add the book dotails print f ("In you can add the details of the book"); Yount f (" \n Ender the keap name:"); Scanf ("7.5", lib[i].book\_name); print f (" In Enter the author name: "); Sean + ("1.5", Jeb Si J. author name); print f ("In Enter the number of pages:");

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}
}

```
// block 1
// to import standard input and output
#include <stdio.h>
// to import clear statements, etc. (if any)
#include <conio.h>
// to import standard libraries
#include <stdlib.h>
// to import strings and use strings
#include <string.h>
```

```
// declare all variables which store their respective
// data using structure 'library'
struct library
  // to store the name of the book
  char book_name[100];
  // to store the name of the author of the book
  char author_name[100];
  // to store the cost of the book
  float cost;
  // to store the number of pages of the book
  int no_of_pages;
};
```

// block 2

```
// block 3
// main function
int main()
  // using the strut library again.'
  // in order to perform operations
  struct library lib[100];
  char book_name[100];
  int i, j, count;
  i = 0;
  j = 0;
  count = 0;
```

```
// block 3.1
while(j!=6)
  printf(" \n\n1. Add Book details\n ");
  printf(" 2. Display the list of books and its details\n '
  printf(" 3. Display the total no. of books in the library
  printf(" 4. Exit\n\n");
  printf(" Enter the number: ");
  scanf(" %d", &j);
```

```
switch(j)
{
  // in order to add the book details
  case 1:
    printf(" \nYou can add the details of the book
    printf(" \nEnter the book name: ");
    scanf(" %s", lib[i].book_name);
    printf(" \nEnter the author name: ");
    scanf(" %s", lib[i].author_name);
    printf(" \nEnter the number of pages: ");
    scanf(" %d", &lib[i].no_of_pages);
    printf(" \nEnter the cost of the book: ");
    scanf(" %f", &lib[i].cost);
    count = count + 1;
    i = i + 1;
    break;
```

// block 3.1.1

```
case 2:
  // if there are no books registered previously
  if (count==0)
    printf(" \nThere are no books stored!!\n\n ");
  else
    // to view the list of the books
    printf(" \nYou can view the list of books ");
    nrintf(" \nThe list of books are: ").
```

```
for(i=0; i < count; i++)
{
    printf(" \nThe name of the book is: %s ", lib[i].book_name);
    printf(" \nThe name of the author is: %s ", lib[i].
    printf(" \nThe number of pages are: %d ", lib[i].no_of_pages);
    printf(" \nThe cost of the book is: %f\n\n ", lib[i].</pre>
```

```
case 3:
  // to view the total number of books
  printf(" \nTotal number of books in the library are: %d\n\n ", count);
  break;

case 4:
  // to exit from the program
  exit(0);
```

```
default:
    // if any number other than 1, 2, 3, 4 is entered
    printf(" \nInvalid number entered\n\n ");
}
```