#include<stdio.h>

int main()

{

printf("-----------Main Menu----------\n\n");

printf("1. Add Books\n");

printf("2. Display book information\n");

printf("3. Search Books ( Book Status )\n");

printf("4. Exit\n\n");

int a1;

printf("Enter : ");

scanf("%d", &a1);

printf("\n\n");

if(a1==1)

{

printf("You can add book information\n\n");

printf("Choose the category : \n\n");

printf("1. Computer\n");

printf("2. Electronics\n");

printf("3. Mechanical\n\n");

int a2;

printf("Choose a category : ");

scanf("%d", &a2);

printf("\n\n");

if(a2==1)

{

printf("You have choosed Computer category\n\n");

printf("1. Introduction to C\n");

printf("2. Introduction to Python\n");

printf("3. Introduction to R Programming\n\n");

int a3;

printf("Choose a book : ");

scanf("%d", &a3);

printf("\n\n");

if(a3==1)

{

printf("You have choosed Introduction to C book\n\n");

char book\_namea[50];

char author\_namea[50];

int pagea;

int pricea;

printf("Book Name : ");

scanf("%s", &book\_namea);

printf("\n\n");

printf("Author Name : ");

scanf("%s", &author\_namea);

printf("\n\n");

printf("Pages : ");

scanf("%d", &pagea);

printf("\n\n");

printf("Price : ");

scanf("%d", &pricea);

printf("\n\n");

}

else if(a3==2)

{

printf("You have choosed Introduction to Python book\n\n");

char book\_nameb[50];

char author\_nameb[50];

int pageb;

int priceb;

printf("Book Name : ");

scanf("%s", &book\_nameb);

printf("\n\n");

printf("Author Name : ");

scanf("%s", &author\_nameb);

printf("\n\n");

printf("Pages : ");

scanf("%d", &pageb);

printf("\n\n");

printf("Price : ");

scanf("%d", &priceb);

printf("\n\n");

}

else if(a3==3)

{

printf("You have choosed Introduction to R Programming book\n\n");

char book\_namec[50];

char author\_namec[50];

int pagec;

int pricec;

printf("Book Name : ");

scanf("%s", &book\_namec);

printf("\n\n");

printf("Author Name : ");

scanf("%s", &author\_namec);

printf("\n\n");

printf("Pages : ");

scanf("%d", &pagec);

printf("\n\n");

printf("Price : ");

scanf("%d", &pricec);

printf("\n\n");

}

}

else if(a2==2)

{

printf("you have choosed Electronics category\n\n");

printf("1. Practical Electronics for Inventors\n");

printf("2. The Art of Electronics\n");

printf("3. FUNDAMENTALS OF DIGITAL CIRCUITS\n\n");

int a4;

printf("Choose a book : ");

scanf("%d", &a4);

printf("\n\n");

if(a4==1)

{

printf("You have choosed Practical Electronics for Inventors book\n\n");

char book\_named[50];

char author\_named[50];

int paged;

int priced;

printf("Book Name : ");

scanf("%s", &book\_named);

printf("\n\n");

printf("Author Name : ");

scanf("%s", &author\_named);

printf("\n\n");

printf("Pages : ");

scanf("%d", &paged);

printf("\n\n");

printf("Price : ");

scanf("%d", &priced);

printf("\n\n");

}

else if(a4==2)

{

printf("You have choosed The Art of Electronics book\n\n");

char book\_namee[50];

char author\_namee[50];

int pagee;

int pricee;

printf("Book Name : ");

scanf("%s", &book\_namee);

printf("\n\n");

printf("Author Name : ");

scanf("%s", &author\_namee);

printf("\n\n");

printf("Pages : ");

scanf("%d", &pagee);

printf("\n\n");

printf("Price : ");

scanf("%d", &pricee);

printf("\n\n");

}

else if(a4==3)

{

printf("You have choosed The Art of Electronics book\n\n");

char book\_namef[50];

char author\_namef[50];

int pagef;

int pricef;

printf("Book Name : ");

scanf("%s", &book\_namef);

printf("\n\n");

printf("Author Name : ");

scanf("%s", &author\_namef);

printf("\n\n");

printf("Pages : ");

scanf("%d", &pagef);

printf("\n\n");

printf("Price : ");

scanf("%d", &pricef);

printf("\n\n");

}

}

else if(a2==3)

{

printf("You have choosed Mechanical category\n\n");

printf("1. Introduction to Autocad\n");

printf("2. Fundamentals of Thermodynamics\n");

printf("3. Mechanical Engineering : Conventional and Objective Type\n\n");

int a5;

printf("Choose a book : ");

scanf("%d", &a5);

printf("\n\n");

if(a5==1)

{

printf("You have choosed Interoduction to Autocad book\n\n");

char book\_nameg[50];

char author\_nameg[50];

int pageg;

int priceg;

printf("Book Name : ");

scanf("%s", &book\_nameg);

printf("\n\n");

printf("Author Name : ");

scanf("%s", &author\_nameg);

printf("\n\n");

printf("Pages : ");

scanf("%d", &pageg);

printf("\n\n");

printf("Price : ");

scanf("%d", &priceg);

printf("\n\n");

}

else if(a5==2)

{

printf("You have choosed Fundamentals of Thermodynamics book\n\n");

char book\_nameh[50];

char author\_nameh[50];

int pageh;

int priceh;

printf("Book Name : ");

scanf("%s", &book\_nameh);

printf("\n\n");

printf("Author Name : ");

scanf("%s", &author\_nameh);

printf("\n\n");

printf("Pages : ");

scanf("%d", &pageh);

printf("\n\n");

printf("Price : ");

scanf("%d", &priceh);

printf("\n\n");

}

else if(a5==3)

{

printf("You have choosed Mechanical Engineering : Conventional and Objective Type book\n\n");

char book\_namei[50];

char author\_namei[50];

int pagei;

int pricei;

printf("Book Name : ");

scanf("%s", &book\_namei);

printf("\n\n");

printf("Author Name : ");

scanf("%s", &author\_namei);

printf("\n\n");

printf("Pages : ");

scanf("%d", &pagei);

printf("\n\n");

printf("Price : ");

scanf("%d", &pricei);

printf("\n\n");

}

}

}

else if(a1==3)

{

printf("You can search the book ( Book Status )\n\n");

printf("Press the code:123 for Introduction to C\n");

printf("Press the code:456 for Introduction to Python\n");

printf("Press the code:789 for Introduction to R Programming\n");

printf("Press the code:523 for Practical Electronics for Inventors\n");

printf("Press the code:759 for The Art of Electronics\n");

printf("Press the code:157 for FUNDAMENTALS OF DIGITAL CIRCUITS\n");

printf("Press the code:359 for Introduction to Autocad\n");

printf("Press the code:153 for Fundamentals of Thermodynamics\n");

printf("Press the code:104 for Mechanical Engineering : Conventional and Objective Type\n\n");

int a6;

printf("Enter the book to search ( USE THE CODE ): ");

scanf("%d", &a6);

printf("/n");

switch(a6)

{

case 123:

printf("Book Name : Introduction to C\n\n");

printf("Book Status : 2 Copies left");

break;

case 456:

printf("Book Name : Introduction to Python\n\n");

printf("Book Status : 10 Copies left");

break;

case 789:

printf("Book Name : Introduction to R Programming\n\n");

printf("Book Status : 1 Copy left");

break;

case 523:

printf("Book Name : Practical Electronics for Inventors\n\n");

printf("Book Status : 20 Copies left");

break;

case 759:

printf("Book Name : The Art of Electronics\n\n");

printf("Book Status : 30 Copies left");

break;

case 157:

printf("Book Name : FUNDAMENTALS OF DIGITAL CIRCUITS\n\n");

printf("Book Status : 18 Copies left");

break;

case 359:

printf("Book Name : Introduction to Autocad\n\n");

printf("Book Status : Out Off Stock");

break;

case 153:

printf("Book Name : Fundamentals of Thermodynamics\n\n");

printf("Book Status : 5 Copies left");

break;

case 104:

printf("Book Name : Mechanical Engineering : Conventional and Objective Type\n\n");

printf("Book Status : 4 Copies left");

break;

}

}

else if(a1==4)

{

printf("The libary management is closed\n\n");

printf("Have a nice day");

}

}