LAB-8-EVALUATION PROGRAMS

PROGRAM-1-COPYING ONE STRING TO ANOTHER

```c
//                                  CONCATENATING TWO STRINGS
#include<stdio.h>
int main()
{
    char s1[20],s2[20],s3[20];
    printf("Enter first string for concatenation = ");
    scanf("%s",s1);
    printf("Enter second string for concatenation = ");
    scanf("%s",s2);
    int i=0,j=0;
    while(s1[i] != '\0')
    {
        s3[j]=s1[i];
        i++;
        j++;
    }
    i=0;
    while(s2[i] != '\0')
    {
        s3[j]=s2[i];
        i++;
        j++;
    }
    s3[j]='\0';
    printf("String 1 = %s\n",s1);
    printf("String 2 = %s\n",s2);
    printf("Concatenated string = %s\n",s3);
    return 0;
}
```

OUTPUT:

```
Enter first string for concatenation = C
Enter second string for concatenation =  Programming
String 1 = C
String 2 = Programming
Concatenated string = CProgramming

Process returned 0 (0x0)   execution time : 15.188 s
Press any key to continue.
```

```
Enter first string for concatenation = Hello
Enter second string for concatenation = Jhanavi
String 1 = Hello
String 2 = Jhanavi
Concatenated string = HelloJhanavi

Process returned 0 (0x0)   execution time : 164.461 s
Press any key to continue.
```

PROGRAM-2-BOOK DETAILS

```c
//                          BOOK DETAILS
#include<stdio.h>
void main()
{
struct books
{
    char title[30];
    char author[30];
    float price;
    int pages;
    char dateofp[30];
}
    book1,book2,book3;
    printf("Enter the Titles of Book1 Book2 and Book3\n");
    scanf("%s %s %s", book1.title, book2.title, book3.title);
    printf("Enter the Author of Book1 Book2 and Book3\n");
    scanf("%s %s %s", book1.author,book2.author, book3.author);
    printf("Enter the Price of Book1 Book2 and Book3\n");
    scanf("%f %f %f", &book1.price, &book2.price, &book3.price);
    printf("Enter the number of pages of Book1 Book2 and Book3\n");
    scanf("%d %d %d",&book1.pages,&book2.pages,&book3.pages);
    printf("Enter the Dates of publication of Book1 Book2 and Book3\n");
    scanf("%s %s %s", book1.dateofp,book2.dateofp,book3.dateofp);
    printf("Title of Book1 - %s\n",book1.title);
    printf("Author of Book1 - %s\n",book1.author);
    printf("Price of Book1 - %0.2f\n",book1.price);
    printf("Number of pages in Book1 - %d\n",book1.pages);
    printf("Date of publication of Book1 - %s\n\n",book1.dateofp);
    printf("Title of Book2 - %s\n",book2.title);
    printf("Author of Book2 - %s\n",book2.author);
    printf("Price of Book2 - %0.2f\n",book2.price);
    printf("Number of pages in Book2 - %d\n",book2.pages);
    printf("Date of publication of Book2 - %s\n\n",book2.dateofp);
    printf("Title of Book3 - %s\n",book3.title);
    printf("Author of Book3 - %s\n",book3.author);
    printf("Price of Book3 - %0.2f\n",book3.price);
    printf("Number of pages in Book3 - %d\n",book3.pages);
    printf("Date of publication of Book3 - %s\n\n",book3.dateofp);
    if(book1.price>book2.price && book1.price>book3.price)
    {
        printf("Book1 has highest price");
        printf("\n              DETAILS OF BOOK 1             \n");
        printf("Title of Book1 - %s\n",book1.title);
        printf("Author of Book1 - %s\n",book1.author);
        printf("Price of Book1 - %0.2f\n",book1.price);
        printf("Number of pages in Book1 - %d\n",book1.pages);
        printf("Date of publication of Book1 - %s\n",book1.dateofp);
    }
    else if(book2.price>book1.price && book2.price>book3.price)
    {
        printf("Book 2 has highest price\n");
        printf("\n              DETAILS OF BOOK 2               \n");
        printf("Title of Book2 - %s\n",book2.title);
        printf("Author of Book2 - %s\n",book2.author);
        printf("Price of Book2 - %0.2f\n",book2.price);
        printf("Number of pages in Book2 - %d\n",book2.pages);
        printf("Date of publication of Book2 - %s\n",book2.dateofp);
    }
    else
    {
        printf("Book 3 has highest price\n");
        printf("\n              DETAILS OF BOOK 3               \n");
        printf("Title of Book3 - %s\n",book3.title);
        printf("Author of Book3 - %s\n",book3.author);
        printf("Price of Book3 - %0.2f\n",book3.price);
        printf("Number of pages in Book3 - %d\n",book3.pages);
        printf("Date of publication of Book3 - %s\n",book3.dateofp);
```

```
Enter the Titles of Book1 Book2 and Book3
Annabel
Confessions
Clockers
Enter the Author of Book1 Book2 and Book3
Kathleen
Augustine
Richard
Enter the Price of Book1 Book2 and Book3
456
990
572
Enter the number of pages of Book1 Book2 and Book3
465
484
611
Enter the Dates of publication of Book1 Book2 and Book3
2010
2017
2008
Title of Book1 = Annabel
Author of Book1 = Kathleen
Price of Book1 = 456.00
Number of pages in Book1 = 465
Date of publication of Book1 = 2010

Title of Book2 = Confessions
Author of Book2 = Augustine
Price of Book2 = 990.00
Number of pages in Book2 = 484
Date of publication of Book2 = 2017

Title of Book3 = Clockers
Author of Book3 = Richard
Price of Book3 = 572.00
Number of pages in Book3 = 611
Date of publication of Book3 = 2008

Book 2 has highest price

            DETAILS OF BOOK 2
```

```
Book 2 has highest price

            DETAILS OF BOOK 2
Title of Book2 = Confessions
Author of Book2 = Augustine
Price of Book2 = 990.00
Number of pages in Book2 = 484
Date of publication of Book2 = 2017

Process returned 36 (0x24)   execution time : 91.173 s
Press any key to continue.
```