

Submitted by:

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Course : CSE with Specialization in IOT

AIM:

To manage all the information about the Consumer's Name, Phone Number, Movie Name, Total Number of Tickets, Cost Per Ticket, Total Amount and to Store all Transactions.

ALGORITHM:

```
Step 1: Start the program.

Step 2: Display operations.

Step 3: Enter 1 to insert a movie and its details.

Step 4: The details of the movies are stored in a separate file "data.txt".

Step 5: Enter 2 to view all the movies that have been inserted.

Step 6: Enter 3 to find a particular movie by entering its Movie code.

Step 7: Enter 4 to book a movie by entering the information of the customer and movie.

Step 8: The transactions are stored in a separate file "oldTransaction.txt"

Step 9: Enter 5 to view all the movie booking transactions.

Step 10: Enter 0 to Exit the program.
```

PROGRAM SOURCE CODE:

```
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
struct book
{
        char code[20];
        char name[20];
        char date[20];
        int cost;
}b;
int seat = 60;
void insert_details();
```

```
void viewAll();
void find();
void book ticket();
void old record();
void main()
      int ch;
      do{
printf("\n=
      printf("\n");
      printf("\t Moive Ticket booking ")
      printf("\n");
printf("\n=
      printf("\nPress <1> Insert Movie");
      printf("\nPress <2> View All Movie");
      printf("\nPress <3> Find Movie ");
      printf("\nPress <4> Book Ticket");
      printf("\nPress <5> View All Transections");
      printf("\nPress <0> Exit ");
      printf("\nEnter your Choice ::");
      scanf("%d",&ch);
      switch (ch)
      case 1:
             insert details();
             break;
             case 2:
             viewAll();
             break;
```

```
case 3:
             find();
             break;
             case 4:
               book ticket();
             break;
             case 5:
               old record();
            break;
      case 0:
             exit(0);
      break;
      default:
             printf("Wrong choice !");
      break;
}while(ch!=0);
                                 LEARN · LEAP · LEAT
}
void insert details()
      FILE *fp;
      struct book b;
      printf("Enter Movie Code :- ");
      scanf("%s",b.code);
      printf("Enter Movie Name :- ");
      scanf("%s",b.name);
      printf("Enter Release Date:- ");
      scanf("%s",b.date);
```

```
printf("Enter Ticket Price:- ");
      scanf("%d",&b.cost);
      fp=fopen("data.txt","a");
      if(fp == NULL)
            printf("File not Found");
      else
            fprintf(fp,"%s %s %s %d \n",b.code,b.name,b.date,b.cost);
            printf("Record insert Successful");
      printf("\n");
      fclose(fp);
void find()
      struct book b;
      FILE *fp;
      char ch[20];
      printf("Enter movie code :");
      scanf("%s",ch);
      fp = fopen("data.txt","r");
      if(fp == NULL)
            printf("File does not found !");
            exit(1);
      else
            while(getc(fp) != EOF)
                  fscanf(fp,"%s %s %s %d",b.code,b.name,b.date,&b.cost);
                  if(strcmp(b.code,ch) == 0)
```

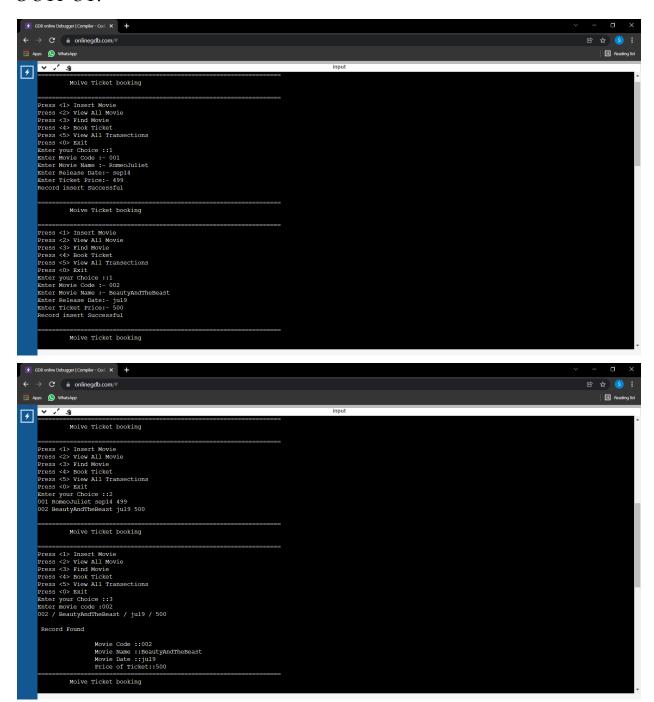
```
printf("%s / %s / %s / %d\n",b.code,b.name,b.date,b.cost);
                         printf("\n Record Found\n");
                          printf("\n\t\tMovie Code ::%s",b.code);
                          printf("\n\t\tMovie Name ::%s",b.name);
                         printf("\n\t\tMovie Date ::%s",b.date);
                         printf("\n\t\tPrice of Ticket::%d",b.cost);
                         break;
      fclose(fp);
void viewAll()
      char ch;
      FILE *fp;
      fp = fopen("data.txt", "r");
      if(fp == NULL)
             printf("file does not found !");
             exit(1);
      else
             while (ch = fgetc(fp)) != EOF)
      printf("%c",ch);
      fclose(fp);
void book_ticket()
  struct book b;
      FILE *fp;
```

```
FILE *ufp;
      int total seat, mobile, total amount;
      char name[20];
      char ch;
      char movie code[20];
  fp = fopen("data.txt","r");
      if(fp == NULL)
      {
            printf("file does not found !");
            exit(1);
      else
            system("cls");
            while( (ch = fgetc(fp))!= EOF
      printf("%c",ch);
      fclose(fp);
      printf("\n For Book ticket Choice Movie(Enter Movie Code First Letter Of
Movie)\n");
      printf("\n Enter movie code :");
      scanf("%s",movie code);
      fp = fopen("data.txt", "r");
      if(fp == NULL)
            printf("file does not found !");
            exit(1);
      else
            while(getc(fp) != EOF)
                  fscanf(fp,"%s %s %s %d",b.code,b.name,b.date,&b.cost);
```

```
if(strcmp(b.code,movie code) == 0)
               printf("%s / %s / %s / %d\n",b.code,b.name,b.date,b.cost);
                   printf("\n Record Found\n");
                   printf("\n\t\tCode ::%s",b.code);
                   printf("\n\t\tMovie Name ::%s",b.name);
                   printf("\n\t\tMovie Date ::%s",b.date);
                   printf("\n\t\tPrice of Ticket ::%d",b.cost);
             }
printf("\n* Fill Deatails *")
printf("\n Name :");
scanf("%s",name);
printf("\n Mobile number :");
scanf("%d",&mobile);
printf("\n Total number of tickets :");
scanf("%d",&total seat);
total amount = b.cost * total seat;
printf("\n ***** ENJOY MOVIE ****\n");
printf("\n\t\tName : %s",name);
printf("\n\t\tMobile Number : %d",mobile);
printf("\n\t\tMovie name : %s",b.name);
printf("\n\t\tTotal seats : %d",total seat);
printf("\n\t\tCost per ticket : %d",b.cost);
printf("\n\t\tTotal Amount : %d",total amount);
ufp=fopen("oldTransection.txt","a");
if(ufp == NULL)
{
      printf("File not Found");
else
```

```
fprintf(ufp,"%s %d %d %d %s %d \n", name, mobile, total seat,
total_amount, b.name, b.cost);
            printf("\n Record insert Successful to the old record file");
      printf("\n");
      fclose(ufp);
      fclose(fp);
void old record()
      char ch;
      FILE *fp;
      fp = fopen("oldTransection.txt",'
      if(fp == NULL)
            printf("file does not found !");
            exit(1);
      else
                                LEARN · LEAP · LEAD
            while (ch = fgetc(fp))! = EOF
            printf("%c",ch);
      fclose(fp);
}
```

OUTPUT:



```
→ C a onlinegdb.com/#
                                                                                                                                                                                                                                                                                                                                                                               ® ☆ S
   Apps 🕓 WhatsApp

    Reading list

Press <1> Insert Movie
Press <2> View All Movie
Press <3> Find Movie
Press <3> Book Ticket
Press <5> View All Transections
Press <5> View All Transections
Press <0> Exit
Enter your Choice ::4
sh: 1: cls: not found
001 RomeoJuliet sep14 499
002 BeautyAndTheBeast jul9 500
              For Book ticket Choice Movie (Enter Movie Code First Letter Of Movie)
             * Fill Deatails *
Name :Subhikshaa
             Mobile number :987654321
            Total number of tickets :3
              Name : Subhikshaa
Mobile Number : 987654321
Movie name : BeautyAndTheBeast
Total seats : 3
Cost per ticket : 500
Total Amount : 1500
Record insert Successful to the old record file
                C nonlineadb.com/
7 - 2 3
              Name : Subhikshaa
Mobile Number : 987654321
Movie name : BeautyAndTheBeast
Total seats : 3
Cost per ticket : 500
Total Amount : 1500
Record insert Successful to the old record file
                                Moive Ticket booking
            Press <1> Insert Movie
Press <2> View All Movie
Press <3> Find Movie
Press <4> Book Ticket
Press <5> View All Transections
Press <0> Exit
                 ter your Choice ::5
bhikshaa 987654321 3 1500 BeautyAndTheBeast 500
                                Moive Ticket booking
             Press <1> Insert Movie
Press <2> View All Movie
Press <3> Find Movie
Press <4> Book Ticket
Press <5> View All Transections
Press <0> Exit
                nter your Choice ::0
```

RESULT:

Thus the code is executed successfully and the output is verified. This will be a lot helpful to store all the information about the Consumer's Name, Phone Number, Movie Name, Total Number of Tickets, Cost Per Ticket, Total Amount and to Store all Transactions.