

**B.Tech Sem-1**

**Essential of Software Foundation and Programming**

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CODE ::

#include<stdio.h>

#include<conio.h>

#include<string.h>

#include<windows.h>

#include<time.h>

FILE \*r1,\*r2,\*r3,\*r4,\*r5;

char name[20],mobile[12],room\_no[5],people[5],check\_in[10],check\_in\_time[10],id\_proof[20];

int room\_file,room\_info,room\_del;

int choice,j;

char \*s;

char ch;

char username[20];

char password[10];

time\_t mytime;

char check\_out[5];

int arr[5]={0,0,0,0,0},i;

int typ;

COORD coord={0,0};

int n1,k1;

int i1,j1;

int i,j;

void bill()

{

char name[25];

char di[25];

char du[25];

int td;

int pcharges,tcharges;

printf("Enter the Name of customer:");

gets(name);

printf("Enter the Date of Check In:");

gets(di);

printf("Enter the Date of Check Out:");

gets(du);

printf("Per day Charges:");

scanf("%d",&pcharges);

printf("Total days:");

scanf("%d",&td);

tcharges=pcharges\*td;

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

printf("|Name Of Customer | Date Of | Date of | Per Day | Total Day | Total Day charges| ");

printf("\n| | check in|check out| charges | |\n");

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

printf("| | | | | | |\n");

printf("| %s |%s| %s | %d | %d | %d |\n",name,di,du,pcharges,td,tcharges);

printf("| | | | | | |\n");

getch();

}

void loading()

{

gotoxy(30,30);printf("----------------");

gotoxy(30,31);printf("\t! Loading !");

gotoxy(30,32);printf("----------------");

gotoxy(30,35);printf(" Please Wait");

for(i=38;i<39;i++)

{

for(j=0;j<79;j++)

{

gotoxy(j,i);printf("|");//bottom

delay(10000000);

}

}

getch();

return 0;

}

void welcome()

{

system("color a");

for(i1=90;i1<91;i1++)

{

for(j1=0;j1<79;j1++)

{

gotoxy(i1,j1);printf("\*");//top

delay(10000000);

}

}

for(i1=78;i1<79;i1++)

{

for(j1=0;j1<25;j1++)

{

gotoxy(i1,j1);printf("\*");//right

delay(10000000);

}

}

for(i1=0;i1<1;i1++)

{

for(j1=0;j1<25;j1++)

{

gotoxy(i1,j1);printf("\*");//left

delay(10000000);

}

}

for(i1=200;i1<201;i1++)

{

for(j1=0;j1<78;j1++)

{

gotoxy(i1,j1);printf("\*");//bottom

delay(10000000);

}

}

gotoxy(29,3);printf("Welcome to Magic World");

gotoxy(29,19);printf("Made By-");

gotoxy(29,20);printf("Harshit Patel and Ketul Patel");

getch();

return 0;

}

void delay(int x1)

{

for(n1=0;n1<x1;n1++)

{

k1=n1;

}

}

void gotoxy(int x2,int y2)

{

coord.X=x2;

coord.Y=y2;

SetConsoleCursorPosition(GetStdHandle(STD\_OUTPUT\_HANDLE),coord);

}

void login()

{

printf("Enter username: ");

scanf("%s",name);

printf("Enter password: ");

scanf("%s",password);

/\* for(j=0;j<5;j++)

{

password[j]=getch();

printf("\*");

}\*/

if (strcmp(name, "admin") == 0 && strcmp(password, "\*\*\*\*\*") == 0)

{

printf("Access granted\n");

}

else

{

printf("Access denied\n");

}

}

void del\_file()

{

printf("Enter the room number to delete data ::");

scanf("%d",&room\_del);

switch(room\_del)

{

case 1:

remove("customer1.txt");

break;

case 2:

remove("customer2.txt");

break;

case 3:

remove("customer3.txt");

break;

case 4:

remove("customer4.txt");

break;

case 5:

remove("customer5.txt");

break;

}

}

/\*typedef struct \_sysmin {

WORD wMinute;

} sysmin;

void checkout\_min()

{

sysmin str\_t;

GetSystemTime(&str\_t);

printf("Min:%d\n",str\_t.wMinute);

}\*/

void time\_system()

{

time\_t mytime;

mytime = time(NULL);

s=ctime(&mytime);

}

void customer\_details()

{

again:

printf("Enter the room Number ::");

scanf("%d",&room\_file);

for(i=0;i<=4;i++)

{

if(room\_file==arr[i])

{

printf("Room is booked\nPlease try for other room\n\n");

goto again;

}

}

switch (room\_file)

{

case 1:

r1=fopen("customer1.txt","w");

printf("\nName of Costumer ::");

getchar();

gets(name);

printf("\nMobile Number ::");

scanf("%s",mobile);

printf("\nTotal Number of people ::");

scanf("%s",people);

printf("\nEnter the ID Proof ::");

scanf("%s",id\_proof);

fprintf(r1,"%s%s","Name of Customer ::",name);

fprintf(r1,"%s%s","\nMobile No of Customer ::",mobile);

fputs("\n",r1);

fprintf(r1,"%s%s","Total People Staying ::",people);

fputs("\n",r1);

time\_system();

fprintf(r1,"%s%s","Check-in date and time of customer ::",s);

//fputs("\n",r1);

fprintf(r1,"%s%s","ID-proof Given ::",id\_proof);

fputs("\n",r1);

fputs("\n",r1);

fclose(r1);

arr[0]=room\_file;

break;

case 2:

r2=fopen("customer2.txt","a+");

printf("\nName of Costumer ::");

getchar();

gets(name);

printf("\nMobile Number ::");

scanf("%s",mobile);

printf("\nTotal Number of people ::");

scanf("%s",people);

printf("\nEnter the ID Proof ::");

scanf("%s",id\_proof);

fprintf(r2,"%s%s","Name of Customer ::",name);

fprintf(r2,"%s%s","\nMobile No of Customer ::",mobile);

fputs("\n",r2);

fprintf(r2,"%s%s","Total People Staying ::",people);

fputs("\n",r2);

time\_system();

fprintf(r2,"%s%s","Check-in date and time of customer ::",s);

// fputs("\n",r2);

fprintf(r2,"%s%s","ID-proof Given ::",id\_proof);

fputs("\n",r2);

fputs("\n",r2);

arr[1]=room\_file;

fclose(r2);

break;

case 3 :

r3=fopen("customer3.txt","a+");

printf("\nName of Costumer ::");

getchar();

gets(name);

printf("\nMobile Number ::");

scanf("%s",mobile);

printf("\nTotal Number of people ::");

scanf("%s",people);

printf("\nEnter the ID Proof ::");

scanf("%s",id\_proof);

fprintf(r3,"%s%s","Name of Customer ::",name);

fprintf(r3,"%s%s","\nMobile No of Customer ::",mobile);

fputs("\n",r3);

fprintf(r3,"%s%s","Total People Staying ::",people);

fputs("\n",r3);

time\_system();

fprintf(r3,"%s%s","Check-in date and time of customer ::",s);

//fputs("\n",r3);

fprintf(r3,"%s%s","ID-proof Given ::",id\_proof);

fputs("\n",r3);

fputs("\n",r3);

arr[2]=room\_file;

fclose(r3);

break;

case 4:

r4=fopen("customer4.txt","a+");

printf("\nName of Costumer ::");

getchar();

gets(name);

printf("\nMobile Number ::");

scanf("%s",mobile);

printf("\nTotal Number of people ::");

scanf("%s",people);

printf("\nEnter the ID Proof ::");

scanf("%s",id\_proof);

fprintf(r4,"%s%s","Name of Customer ::",name);

fprintf(r4,"%s%s","\nMobile No of Customer ::",mobile);

fputs("\n",r4);

fprintf(r4,"%s%s","Total People Staying ::",people);

fputs("\n",r4);

time\_system();

fprintf(r4,"%s%s","Check-in date and time of customer ::",s);

//fputs("\n",r4);

fprintf(r4,"%s%s","ID-proof Given ::",id\_proof);

fputs("\n",r4);

fputs("\n",r4);

arr[3]=room\_file;

fclose(r4);

break;

case 5 :

r5=fopen("customer5.txt","a+");

printf("\nName of Costumer ::");

getchar();

gets(name);

printf("\nMobile Number ::");

scanf("%s",mobile);

printf("\nTotal Number of people ::");

scanf("%s",people);

printf("\nEnter the ID Proof ::");

scanf("%s",id\_proof);

fprintf(r5,"%s%s","Name of Customer ::",name);

fprintf(r5,"%s%s","\nMobile No of Customer ::",mobile);

fputs("\n",r5);

fprintf(r5,"%s%s","Total People Staying ::",people);

fputs("\n",r5);

time\_system();

fprintf(r5,"%s%s","Check-in date and time of customer ::",s);

//fputs("\n",r5);

fprintf(r5,"%s%s","ID-proof Given ::",id\_proof);

fputs("\n",r5);

fputs("\n",r5);

arr[4]=room\_file;

fclose(r5);

break;

}

}

void customer\_information()

{

printf("Enter the room no. to see Details :: ");

scanf("%d",&room\_info);

switch(room\_info)

{

case 1:

{

r1=fopen("customer1.txt","r");

while((ch=getc(r1))!=EOF)

printf("%c",ch);

fclose(r1);

break;

}

case 2:

{

r2=fopen("customer2.txt","r");

while((ch=getc(r2))!=EOF)

printf("%c",ch);

fclose(r2);

break;

}

case 3:

{

r3=fopen("customer3.txt","r");

while((ch=getc(r3))!=EOF)

printf("%c",ch);

fclose(r3);

break;

}

case 4:

{

r4=fopen("customer4.txt","r");

while((ch=getc(r4))!=EOF)

printf("%c",ch);

fclose(r4);

break;

}

case 5:

{

r5=fopen("customer5.txt","r");

while((ch=getc(r5))!=EOF)

printf("%c",ch);

fclose(r5);

break;

}

}

}

void features()

{

printf("\nChoose the room type:\n1. Single Room\n2. Double Room");

printf("\n3. Superior Suite\n4. Executive Room\n5. Family Suite\n");

scanf("%d",&typ);

if(typ>5)

{

printf("\nWrong choice!! Choose a number between 1-5:");

features();

}

switch(typ)

{

case 1:

printf("\n Room number >>>1");

printf("\n Advance >>>7500\n\n");

printf("\n FEATURES OF THIS ROOM ");

printf("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\nSingle Room");

printf("\nRs.15000 per day");

printf("\nDouble Bed");

printf("\nSitting corner with Sofa or Armchairs");

printf("\nBathroom with Shower");

printf("\nBranded bath amenities");

printf("\nHairdryer");

printf("\nBathrobes and Slippers");

printf("\nSafe Deposit Box");

printf("\nLED TV with satellite channels");

printf("\nMini-Bar");

printf("\nAir conditioning");

printf("\nSteamer & amenities for making Coffee & Tea");

printf("\nBalcony or Terrace");

break;

case 2:

printf("\n Room number >>>2");

printf("\n Advance >>>15000\n\n");

printf("\n FEATURES OF THIS ROOM ");

printf("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\nDouble Room");

printf("\nRs.22500 per day");

printf("\nDouble Bed");

printf("\nSitting corner with Sofa or Armchairs");

printf("\nBathroom with Shower");

printf("\nBranded bath amenities");

printf("\nHairdryer");

printf("\nBathrobes and Slippers");

printf("\nSafe Deposit Box");

printf("\nLED TV with satellite channels");

printf("\nMini-Bar");

printf("\nAir conditioning");

printf("\nSteamer & amenities for making Coffee & Tea");

printf("\nBalcony or Terrace");

break;

case 3:

printf("\n Room number >>>3");

printf("\n Advance >>>22500\n\n");

printf("\n FEATURES OF THIS ROOM ");

printf("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\nSuperior Suite");

printf("\nRs.30000 per day");

printf("\n2 Separate Bedrooms (upper floor, lower floor)");

printf("\nSitting corner with Sofa or Armchairs");

printf("\nBathroom with Shower");

printf("\nBranded bath amenities");

printf("\nHairdryer");

printf("\nBathrobes and Slippers");

printf("\nSafe Deposit Box");

printf("\n2 LED TV with satellite channels");

printf("\nMini-Bar");

printf("\nAir conditioning");

printf("\nSteamer & amenities for making Coffee & Tea");

printf("\nBalcony or Terrace");

break;

case 4:

printf("\n Room number >>>4");

printf("\n Advance >>>30000\n\n");

printf("\n FEATURES OF THIS ROOM ");

printf("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\nExecutive Suite");

printf("\nRs.37500 per day");

printf("\n2 Separate Bedrooms (upper floor, lower floor)");

printf("\nSitting corner with Sofa or Armchairs");

printf("\n1 or 2 Bathrooms with Bathtub and/or Shower");

printf("\nBranded bath amenities");

printf("\nHairdryer");

printf("\nBathrobes and Slippers");

printf("\nSafe Deposit Box");

printf("\n2 LED TV with satellite channels");

printf("\nMini-Bar");

printf("\nAir conditioning");

printf("\nSteamer & amenities for making Coffee & Tea");

printf("\nBalcony or Terrace");

break;

case 5:

printf("\n Room number >>>5");

printf("\n Advance >>>37500\n\n");

printf("\n FEATURES OF THIS ROOM ");

printf("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\nGrand Suite");

printf("\nRs.45000 per day");

printf("\n3 Separate Bedrooms (upper floor)");

printf("\nSitting corner with Sofa or Armchairs");

printf("\n2 Bathrooms with Bathtub and/or Shower");

printf("\nBranded bath amenities");

printf("\nHairdryer");

printf("\nBathrobes and Slippers");

printf("\nSafe Deposit Box");

printf("\n3 LED TV with satellite channels");

printf("\nMini-Bar");

printf("\nAir conditioning");

printf("\nSteamer & amenities for making Coffee & Tea");

printf("\nBalcony or Terrace");

break;

}

}

void main()

{

welcome();

printf("\n\n\n\n\n");

login();

loading();

while(1)

{

printf("\n\n\n\n\n\n\t\t\t --------------------------\n ");

printf("\t\t\t|Welcome to Ganesh Meridian|\n");

printf("\t\t\t --------------------------\n");

printf("1. Press 1 for Booking\n\a");

printf("2. Press 2 for Room's & Rate's information\n");

printf("3. Press 3 for Getting Customer's Information\n");

printf("4. Press 4 for deleting the Customer's Booking\n");

printf("5. Press 5 for billing\n");

printf("6. Press 6 to Exit\n\n\n");

printf("Enter Your Choice :: ");

scanf ("%d",&choice);

switch(choice)

{

case 1:

customer\_details();

break;

case 2:

features();

break;

case 3:

customer\_information();

break;

case 4:

del\_file();

break;

case 5:

customer\_information();

bill();

break;

case 6:

exit(0);

break;

default:

printf("No task like it Sorry try again");

exit(0);

}

}

}

OUTPUT ::

