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#include <stdio.h>

int l,b,v,o,q,w;

int seat(){
int R=10;
int C=25;
int totalSeatsBooked=0;
int totalprice = 0;
int p2=0,p4=0;
char seats[R][C];
int row,col;
for(row=0;row<R;row++) {
    for(col=0;col<C;col++){
        seats[row][col] = 'O';
    }
}
while(1){

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

printf("          N O R M A L   S E A T S\\n");

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

printf(" ");
for (col = 0; col < C; col++) {
    printf("%3d",col + 1);
}
printf("\\n");
for (row = 0; row < R-2; row++) {
    printf("%c ", 'A' + row);
    for (col = 0; col < C; col++) {
        printf("%3c", seats[row][col]);

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    }

    printf("\n");

}

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

    printf("          B A L C O N Y\\n");

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

    for (row = 8; row < R; row++) {
        printf("%c ", 'A' + row);
        for (col = 0; col < C; col++) {
            printf("%3c", seats[row][col]);
        }
        printf("\\n");
    }

    printf("NORMAL SEATS(A1 TO H25)PER SEAT = 200");
    printf(" ");
    printf("BALCONY SEATS(I1 TO J25)PER SEAT = 400");
    printf("\\nEnter row and seat number (e.g: A1): ");
    scanf(" %lc%d", &row, &col);
    row = row - 'A';
    if (row < 0 || row >= R || col < 1 || col > C) {
        printf("Invalid seat selection. Please try again.\\n");
    } else if (seats[row][col - 1] == 'X') {
        printf("Seat already booked. Please select another seat.\\n");
    } else {
        seats[row][col - 1] = 'X';
        printf("Seat %c%d booked successfully!\\n", 'A' + row, col);
        totalSeatsBooked++;
    }
}

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        if ((row >= 0 && row <= R-2) && (col >= 0 && col <= C)) {
            p2 += 200;
        }
    else{
        p4 += 400;
    }
}

}

printf("Do you want to book more seats? (y/n): ");
char choice;
scanf(" %c", &choice);
if (choice != 'y' && choice != 'Y') {
    printf("Total seats booked: %d\n", totalSeatsBooked);
    printf("Total price: $%d\n", p2+p4);
    printf("Thank you for using the booking system.\n");

    break;
}
}
}

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int main() {
    int d;
    int seat();
    char s[]=" D I N D I G U L\n";
    char f[]=" K A R U R\n";
    char y[]=" N A M A K A L\n";
    printf("CITIES\n1%s2%s3%s",s,f,y);
    printf("Enter the Number:");
    scanf("%d",&d);
    switch(d)
    {

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case 1:

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printf("=====
=====\\n");
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printf("          %s\\t\\n",s);
```

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printf("=====
=====\\n");
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printf("THEATRE 1.CARNIVAL\\n");
printf("THEATRE 2.UMA\\n");
printf("THEATRE 3.RAJENDHRA\\n");
printf("\\nENTER THE THEATRE NUMBER:");
scanf("%d",&l);
if(l==1){
    printf("screen 1 Movie Name : FIGHT CLUB\\n");
    printf("screen 2 Movie Name : ANIMAL\\n");
    printf("\\nEnter screen Number:");
    scanf("%d",&o);
    if(o==1){
        printf("SEATS AVAILABLE IN SCREEN 1:250\\n\\n");
        seat();
    }
    else if(o==2){
        printf("SEATS AVAILABLE IN SCREEN 2:250\\n\\n");
        seat();
    }
    else if(o==3){
        printf("SEATS AVAILABLE IN SCREEN 3:250\\n\\n");
        seat();
    }
}
```

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else{
    ("Not Available");
}
}
else if(l==2){

    printf("screen 1 Movie Name : JOE\n");
    printf("screen 2 Movie Name : CHITHHA\n");
    printf("\nEnter screen Number:");
    scanf("%d",&o);
    if(o==1){
        printf("SEATS AVAILABLE IN SCREEN 1:250\n\n");
        seat();

    }
    else if(o==2){
        printf("SEATS AVAILABLE IN SCREEN 2:250\n\n");
        seat();}
    else if(o==3){
        printf("SEATS AVAILABLE IN SCREEN 3:250\n\n");
        seat();
    }
    else{
        ("Not Available");
    }
}
else{
    printf("screen 1 Movie Name : MILLER \n");
    printf("screen 2 Movie Name : AYALAAN\n");
    printf("\nEnter screen Number:");
    scanf("%d",&o);

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        if(o==1){
            printf("SEATS AVAILABLE IN SCREEN 1:250\n\n");
            seat();
        }
        else if(o==2){
            printf("SEATS AVAILABLE IN SCREEN 2:250\n\n");
            seat();
        }
        else if(o==3){
            printf("SEATS AVAILABLE IN SCREEN 3:250\n\n");
            seat();
        }
        else{
            ("Not Available");
        }
    }
    break;
case 2:

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

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printf("                %s\\n",f);

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

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printf("1.THINNAPPA\\n");
printf("2.VETRI\\n");
printf("3.KALAIARANGAM\\n");
printf("\\nENTER THE NUMBER:");
scanf("%d",&b);

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if(b==1){

    printf("\nscreen 1 Movie Name : JOE\n");

    printf("screen 2 Movie Name : LEO\n");

    printf("\nEnter screen Number:");

    scanf("%d",&q);

    if(q==1){

        printf("SEATS AVAILABLE IN SCREEN 1:250\n\n");

        seat();

    }

    else if(q==2){

        printf("SEATS AVAILABLE IN SCREEN 2:250\n\n");

        seat();

    }

    else if(q==3){

        printf("SEATS AVAILABLE IN SCREEN 3:250\n\n");

        seat();

    }

    else{

        ("Not Available");

    }

}

else if(b==2){

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    printf("\nscreen 1 Movie Name : LEO\n");

    printf("screen 2 Movie Name : THUNIVU\n");

    printf("\nEnter screen Number:");

    scanf("%d",&q);

    if(q==1){

        printf("SEATS AVAILABLE IN SCREEN 1:250\n\n");

        seat();

    }

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else if(q==2){
    printf("SEATS AVAILABLE IN SCREEN 2:250\n\n");
    seat();
}
else if(q==3){
    printf("SEATS AVAILABLE IN SCREEN 3:250\n\n");
    seat();
}
else{
    ("Not Available");
}
}
else{
    printf("\nscreen 1 Movie Name : SALAAR\n");
    printf("screen 2 Movie Name : LAL SALAAM\n");
    printf("\nEnter screen Number:");
    scanf("%d",&q);
    if(q==1){
        printf("SEATS AVAILABLE IN SCREEN 1:250\n\n");
        seat();
    }
    else if(q==2){
        printf("SEATS AVAILABLE IN SCREEN 2:250:250\n\n");
        seat();
    }
    else if(q==3){
        printf("SEATS AVAILABLE IN SCREEN 3:250\n\n");
        seat();
    }
    else{
        ("Not Available");
    }
}
```



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    }
}
break;
case 3:

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

printf("                %s\\n",y);

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


printf("1.SHIVA\\n");
printf("2.KS\\n");
printf("3.LMR\\n");
printf("ENTER THE NUMBER:");
scanf("%d",&v);
if(v==1){
    printf("screen 1 Movie Name : VETTAIYAN\\n");
    printf("screen 2 Movie Name : VIDAA MUYARCHI\\n");
    printf("\\nEnter screen Number:");
    scanf("%d",&w);
    if(w==1){
        printf("SEATS AVAILABLE IN SCREEN 1:250\\n\\n");
        seat();
    }
    else if(w==2){
        printf("SEATS AVAILABLE IN SCREEN 2:250\\n\\n");
        seat();
    }
    else if(w==3){

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        printf("SEATS AVAILABLE IN SCREEN 3:250\n\n");
        seat();
    }
    else{
        ("Not Available");
    }
}
else if(v==2){

    printf("screen 1 Movie Name : MILLER\n");
    printf("screen 3 Movie Name : SALAAR\n");
    printf("\nEnter screen Number:");
    scanf("%d",&w);
    if(w==1){
        printf("SEATS AVAILABLE IN SCREEN 1:250\n\n");
        seat();
    }
    else if(w==2){
        printf("SEATS AVAILABLE IN SCREEN 2:250\n\n");
        seat();
    }
    else if(w==3){
        printf("SEATS AVAILABLE IN SCREEN 3:250\n\n");
        seat();
    }
    else{
        ("Not Available");
    }
}
else{
    printf("screen 1 Movie Name : THANGALAAN\n");

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```
printf("screen 4 Movie Name : AYALAAN\n");
printf("\nEnter screen Number:");
scanf("%d",&w);
if(w==1){
    printf("SEATS AVAILABLE IN SCREEN 1:250\n\n");
    seat();
}
else if(w==2){
    printf("SEATS AVAILABLE IN SCREEN 2:250\n\n");
    seat();
}
else if(w==3){
    printf("SEATS AVAILABLE IN SCREEN 3:250\n\n");
    seat();
}
else{
    ("Not Available");
}
}
break;
default:
    printf("NOT AVAILABLE");
}
return 0;
}
```