

Coding:

[illegible]

```

82     int ab;
83     goto ab;
84 }
85 else
86 {
87     system("cls");
88     goto c;
89 }
90 break;
91
92 case 2:                                     /* (Case 2 start from here)*/      /*22222222222222222222*/
93 cd:
94     system("cls");
95     printf("\n\n\n\n");
96     printf("-----\n");
97     printf(" | Features of Room | \n");
98     printf("-----\n");
99     printf("\n\t\t1.Presidential Suitet");
100    printf("\n\t\t2.Executive Room");
101    printf("\n\t\t3.Main menu\n");
102    printf("\n-----\n");
103    printf("\n\tSelect the type: ");
104    scanf("%d",&d);
105    if(d==1)
106    {
107        system("cls");
108        printf("\n\n\n\n");
109        printf("-----\n");
110        printf(" | For Your Comfort | \n");
111        printf("-----\n");
112        printf("\n\t1.Two oversized bedrooms with king-sized beds\n\t2.Pillow menu\n\t3.Separate living and dining areas\n\t4.Fully equipped kitchen");
113        printf("\n\n");
114        printf("\n\n");
115        system("pause");
116        system("cls");
117        printf("\n\n\n\n");
118        printf("-----\n");
119        printf(" | For Your Convenience | \n");
120        printf("-----\n");
121        printf("\n\t1.Wired and wireless high-speed Internet access\n\t2.Spare electrical outlet and power adapter\n\t3.IDD telephone and voice mail\n\t4.");
122        printf("\n\n");
123        printf("\n\n");
124        system("pause");
125        system("cls");
126        printf("\n\n\n\n");
127        printf("-----\n");
128        printf(" | For Your Indulgence | \n");
129        printf("-----\n");
130        printf("\n\t1.65" SMART Television Internet Protocol television \n\t with local and cable channels in the living area\n\t2.55LCD television");
131        printf("\n\n");
132        printf("\n\n");
133        system("pause");
134        int cd;
135        goto cd;
136    }
137    else if(d==2)
138    {
139        system("cls");
140        printf("\n\n\n\n");
141        printf("-----\n");
142        printf(" | For Your Comfort | \n");
143        printf("-----\n");
144        printf("\n\t1.A choice of king-sized or twin beds\n\t2.Pillow menu\n\t3.Executive writing table and stationery set\n\t4.Ensuite bathroom with");
145        printf("\n\n");
146        printf("\n\n");
147        system("pause");
148        system("cls");
149        printf("\n\n\n\n");
150        printf("-----\n");
151        printf(" | For Your Convenience | \n");
152        printf("-----\n");
153        printf("\n\t1.Wired and wireless high-speed Internet access\n\t2.Spare electrical outlet and power adapter\n\t3.IDD telephone and voice mail\n\t4.");
154        printf("\n\n");
155        printf("\n\n");
156        system("pause");
157        system("cls");
158        printf("\n\n\n\n");
159        printf("-----\n");
160        printf(" | For Your Indulgence | \n");
161        printf("-----\n");
162        printf("\n\t1.32" LCD interactive television with local and cable \n\t channels\n\t2.DVD player\n\t3.Fully-stocked minibar\n\t4.Coffee and t");
163        printf("\n\n");
164        printf("\n\n");
165        system("pause");
166    }
167    int cd;
168    goto cd;
169 }
170 else
171 {
172     system("cls");
173     goto c;
174 }
175 break;
176
177 case 3:                                     /* (Case 3 start from here)*/      /*33333333333333333333 */
178 ab:
179     system("cls");
180     printf("\n\n\n\n");
181     printf("\n\t-----\n");
182     printf("\n\t | Room Allocation | \n");
183     printf("\n\t-----\n");
184     printf("\n\t\tTypes of room\n");
185     printf("\n\t\t1.Presidential Suitet");
186     printf("\n\t\t2.Executive Room");
187     printf("\n\t\t3.Main menu\n");

```

[*] Assignment.cpp

```

187 printf("\n");
188 printf("\n\tEnter the category you want to select: ");
189 scanf("%d",&d);
190 if(d==1)
191 {system("cls");}
192 printf("\n\n\n\n");
193 za=za-1;
194 printf("\t ----- \n");
195 printf("\t Presidential Suite\t | \n");
196 printf("\t ----- \n");
197 printf("\n");
198 printf("\n\tPer day charges 9,800\n");
199 printf("\n\tEnter the room no: ");
200 int z;
201 scanf("%d",&z);
202 room[z-1].cnt=1;
203 room[z-1].prc=9800;
204 printf("\n\tEnter Name:      ");
205 gets(room[z-1].name);
206 gets(room[z-1].name);
207 printf("\n\tEnter Nationality:   ");
208 gets(room[z-1].nat);
209 printf("\n\tHow many days you\n\t          want to stay:    ");
210 scanf("%d",&room[z-1].day);
211 printf("\n\tDate:\n\tFrom :       ");
212 gets(room[z-1].from);
213 gets(room[z-1].from);
214 printf("\n\tTo:           ");
215 gets(room[z-1].to);
216 room[z-1].prc=9800*room[z-1].day;
217 printf("\n ----- \n");
218 system("pause");
219 system("cls");
220 goto c;
221 }
222 else if(d==2)
223 {system("cls");}
224 printf("\n\n\n\n");
225 zb=zb-1;
226 printf("\t ----- \n");
227 printf("\t Executive Room\t        | \n");
228 printf("\t ----- \n");
229 printf("\n");
230 printf("\n\tPer day charges 6,500\n");
231 printf("\n\tEnter the room no: ");
232 int z;
233 scanf("%d",&z);
234 room[z-1].cnt=1;
235 printf("\n\tEnter Name:      ");
236 gets(room[z-1].name);
237 gets(room[z-1].name);
238 printf("\n\tEnter Nationality:   ");
239 gets(room[z-1].nat);
240 printf("\n\tHow many days you\n\t          want to stay:    ");
241 scanf("%d",&room[z-1].day);
242 printf("\n\tDate:\n\tFrom :       ");
243 gets(room[z-1].from);
244 gets(room[z-1].from);
245 printf("\n\tTo:           ");
246 gets(room[z-1].to);
247 room[z-1].prc=6500*room[z-1].day;
248 printf("\n ----- \n");
249 system("pause");
250 system("cls");
251 goto c;
252 }
253 else
254 {
255     system("cls");
256     goto c;
257 }
258 break;
259
260 case 4: /* (Case 4 start from here)*/ /*4444444444444444444444*/
261
262     system("cls");
263     printf("\n\n\n\n");
264     printf("\t ----- \n");
265     printf("\t Customer Details\t         | \n");
266     printf("\t ----- \n");
267     printf("\n");
268     printf("\n\tEnter the room no: ");
269     int z;
270     scanf("%d",&z);
271
272     printf("\n\tName:             %s",room[z-1].name);
273     printf("\n\tNationality:        %s",room[z-1].nat);
274     printf("\n\tStay for %d days",room[z-1].day);
275     printf("\n\tDate:");
276     printf("\n\tFrom: %s",room[z-1].from);
277     printf("\n\tTo:    %s",room[z-1].to);
278     printf("\n\tTotal price: %d",room[z-1].prc);
279     printf("\n\n ----- \n");
280     printf("\nPress 1 for main menu: ");
281     scanf("%d",&d);
282     if(d==1)
283     {
284         system("cls");
285         goto c;
286     }
287     break;
```

```

286 break;
287
288 case 5:
289
290 as:
291 system("cls");
292 printf("\n\n\n\n");
293 printf("\t ----- \n");
294 printf("\t | Restaurant | \n");
295 printf("\t |-----| \n");
296 printf("\n\t Items\t | \t Price");
297 printf("\n\t 1.Chowmin\t | \t Rs: 655");
298 printf("\n\t 2.Mexican Rice\t | \t Rs: 385");
299 printf("\n\t 3.Mali Boti\t | \t Rs: 425");
300 printf("\n\t 4.ColdDrink\t | \t Rs: 65");
301 printf("\n\t 5.Pudding\t | \t Rs: 425");
302 printf("\n\t 6.Exit");
303 printf("\n\n ----- \n");
304 printf("\n\tSelect the catagory: ");
305 scanf("%d",&d);
306 if(d==1)
307 {
308     printf("\n\tChowmin\t | \t Rs: 655");
309     printf("\n\tEnter Room No: ");
310     scanf("%d",&d);
311     room[d-1].prc=room[d-1].prc+655;
312     int as;
313     goto as;
314 }
315 else if(d==2)
316 {
317     printf("\n\tMexican Rice\t | \t Rs: 385");
318     printf("\n\tEnter Room No: ");
319     scanf("%d",&d);
320     room[d-1].prc=room[d-1].prc+385;
321     goto as;
322 }
323 else if(d==3)
324 {
325     printf("\n\tMali Boti\t | \t Rs: 425");
326     printf("\n\tEnter Room No: ");
327     scanf("%d",&d);
328
329     room[d-1].prc=room[d-1].prc+425;
330     goto as;
331 }
332 else if(d==4)
333 {
334     printf("\n\tColdDrink\t | \t Rs: 65");
335     printf("\n\tEnter Room No: ");
336     scanf("%d",&d);
337     room[d-1].prc=room[d-1].prc+65;
338     goto as;
339 }
340 else if(d==5)
341 {
342     printf("\n\tPudding\t | \t Rs: 425");
343     printf("\n\tEnter Room No: ");
344     scanf("%d",&d);
345     room[d-1].prc=room[d-1].prc+425;
346     goto as;
347 }
348 else
349 {
350     system("cls");
351     goto c;
352 }
353 break;
354
355 case 6:
356
357 system("cls");
358 printf("\n\n\n\n");
359 printf("\t ----- \n");
360 printf("\t | Cancellation | \n");
361 printf("\t |-----| \n");
362 printf("\n");
363 printf("\n\t\tEnter the room no: ");
364 scanf("%d",&z);
365 printf("\n\t\tName: %s",strcpy(room[z-1].name,b));
366 printf("\n\t\tNationality: %s",strcpy(room[z-1].nat,b));
367 printf("\n\t\tStay for %d days",room[z-1].day=0);
368 printf("\n\t\tDate:");
369 printf("\n\t\tFrom: %s",strcpy(room[z-1].from,b));
370 printf("\n\t\tTo: %s",strcpy(room[z-1].to,b));

```

```

371 printf("\n\t\tTotal price: %d",room[z-1].prc*0);
372 room[z-1].cnt=0;
373 printf("\n -----~\n");
374 printf("\n\tPress 1 for main menu: ");
375 scanf("%d",&d);
376 if(d==1)
377 {
378     system("cls");
379     goto c;
380 }
381 break;
382
383 case 7: /* (Case 7 start from here)*/ /*77777777777777777777*/
384     system("cls");
385     printf("\n\n\n\n");
386     printf("\t -----~\n");
387     printf("\t\t\t\t\tRoom Deallocation\t\t\t\t\t\n");
388     printf("\t -----~\n");
389     printf("\n");
390     printf("\n\t\tEnter the room no: ");
391     scanf("%d",&z);
392     printf("\n\t\tName: %s",room[z-1].name);
393     printf("\n\t\tNationality: %s",room[z-1].nat);
394     printf("\n\t\tStay for %d days",room[z-1].day);
395     printf("\n\t\tDate:");
396     printf("\n\t\tFrom: %s",room[z-1].from);
397     printf("\n\t\tTo: %s",room[z-1].to);
398     printf("\n\t\tTotal price: %d",room[z-1].prc);
399     printf("\n\t\tThanks for staying here");
400     printf("\n\n -----~\n");
401     strcpy(room[z-1].name,b);
402     strcpy(room[z-1].nat,b);
403     room[z-1].day=0;
404     strcpy(room[z-1].from,b);
405     strcpy(room[z-1].to,b);
406     room[z-1].prc=0;
407     room[z-1].cnt=0;
408     printf("\n\n\tPress 1 for main menu: ");
409     scanf("%d",&d);
410     if(d==1)
411     {
412         system("cls");
413         goto c;
414     }
415     break;
416
417 case 8: /* (Case 8 start from here)*/ /*888888888888888888888888*/
418     return 0;
419     break;
420 }
421 }
422
423

```

Output:

Enter 1

```
H:\Assignment.exe

*****
*                                     *
*               Welcome TO Umair And Hassan Hotel               *
*                                     *
*****

-----
|                                     |
|               Choose a category               |
|                                     |
|               1.Get availability               |
|               2.Features of room               |
|               3.Room Allocation               |
|               4.Show Customer Details         |
|               5.Restaurant                   |
|               6.Cancellation                 |
|               7.Room Deallocation             |
|               8.Exit                         |
|                                     |
-----

Enter the category you want to select: 1
```

```
H:\Assignment.exe

-----
|                                     |
|               Room Availability               |
|                                     |
| Room No | Room Type | Charges | Total | Available |
|-----|-----|-----|-----|-----|
| 1       | Predntl Suite  | 9,800  | 09    | 6         |
| 2       | Exctive Room   | 6,500  | 11    | 4         |
|-----|-----|-----|-----|-----|
Press any key to continue . . .
```

H:\Assignment.exe

Rooms				
Room NO	Room Type	From	To	Name
1	Pre	15/Feb/2017	20/Feb/2017	Omair Zafar
2	Pre	13/Feb/2017	17/Feb/2017	Ahmad Ammar
3	Pre			
4	Pre			
5	Pre			
6	Pre			
7	Pre			
8	Pre			
9	Pre			
10	Exc	12/Feb/2017	16/Feb/2017	Areeb
11	Exc	12/Feb/2017	18/Feb/2017	Kashif Nazir
12	Exc	11/Feb/2017	18/Feb/2017	Sajjad Iqbal
13	Exc			
14	Exc			
15	Exc			
16	Exc			
17	Exc			
18	Exc			
19	Exc			
20	Exc			

Press 1 for Room Allocation and press any No for main menu:

Enter 2

H:\Assignment.exe

Features of Room	
1.Presidential Suitet	
2.Executive Room	
3.Main menu	

Select the type:

```
H:\Assignment.exe

-----
:               For Your Comfort               :
-----

1.Two oversized bedrooms with king-sized beds
2.Pillow menu
3.Separate living and dining areas
4.Fully equipped kitchen and guest powder room
4.Executive writing table and stationery set
5.Touch switch light dimmer
6.Two ensuite bathrooms with separate rain shower
stall and bathtub
7.Jacuzzi and steamist
8.Rain and Massage shower
9.Walk-in wardrobe
10.Bathrobe, slippers and hairdryer

-----

Press any key to continue . . .
```

Enter 3

```
H:\Assignment.exe

-----
:               Room Allocation               :
-----

Types of room

1.Presidential Suitet
2.Executive Room
3.Main menu

-----

Enter the category you want to select: 1
```



```
H:\Assignment.exe

-----
: Presidential Suitet :
-----

Per day charges 9,800
Enter the room no: 15
Enter Name: Zafar Iqbal
Enter Nationality: Pakistani
How many days you
want to stay: 5
Date:
From : 2/Feb/2017
To: 7/Feb/2017
-----
Press any key to continue . . .
```

Enter 4

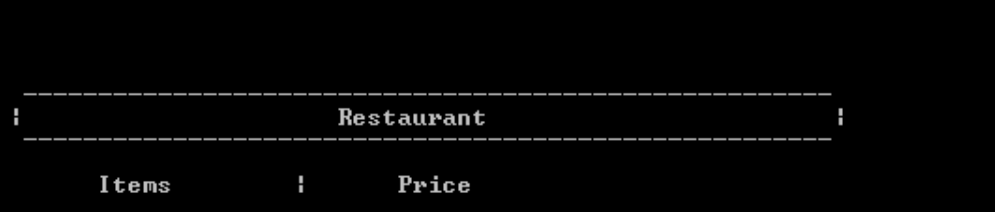
```
H:\Assignment.exe

-----
: Customer Details :
-----

Enter the room no: 15
Name: Zafar Iqbal
Nationality: Pakistani
Stay for 5 days
Date:
From: 2/Feb/2017
To: 7/Feb/2017
Total price: 49000
-----

Press 1 for main menu:
```

Enter 5



```
H:\Assignment.exe


-----
!                               !
Items                           Price
1.Chowmin                       Rs: 655
2.Mexican Rice                  Rs: 385
3.Mali Boti                     Rs: 425
4.ColdDrink                     Rs: 65
5.Pudding                       Rs: 425
6.Exit

-----

Select the catagory: 3

Mali Boti      Rs: 425
Enter Room No: 15
```

Enter 6



```
H:\Assignment.exe

-----
!               Cancellation               !
-----

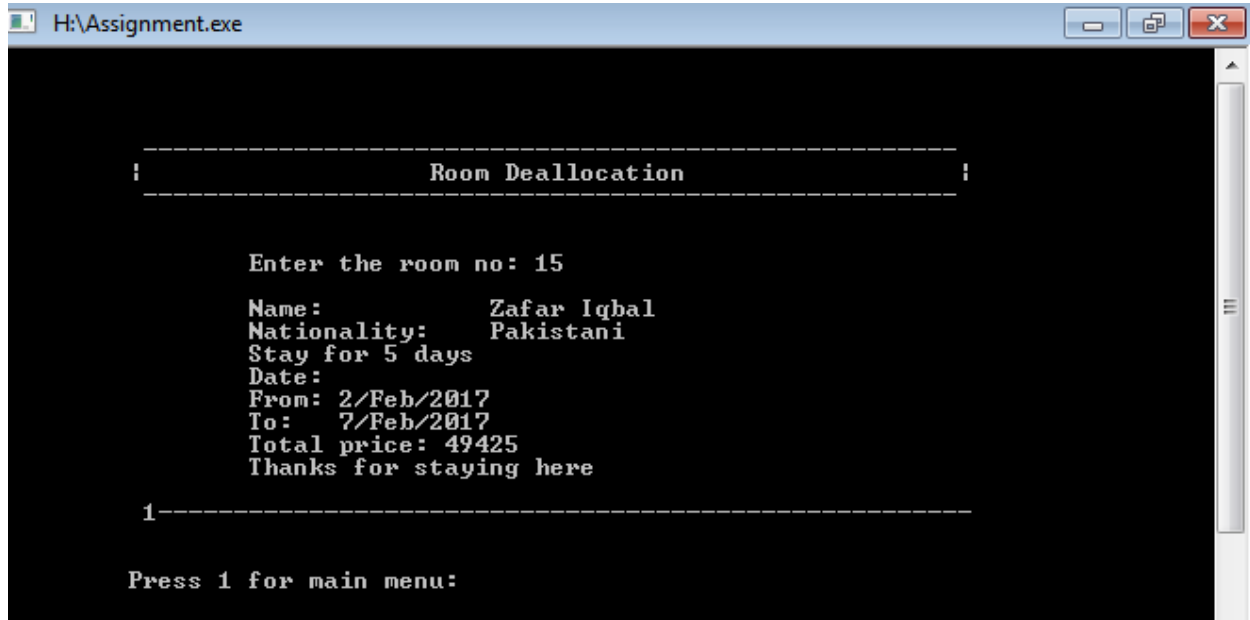
Enter the room no: 2

Name:
Nationality:
Stay for 0 days
Date:
From:
To:
Total price: 0

-----

Press 1 for main menu:
```

Enter 7



```
H:\Assignment.exe

-----
Room Deallocation
-----

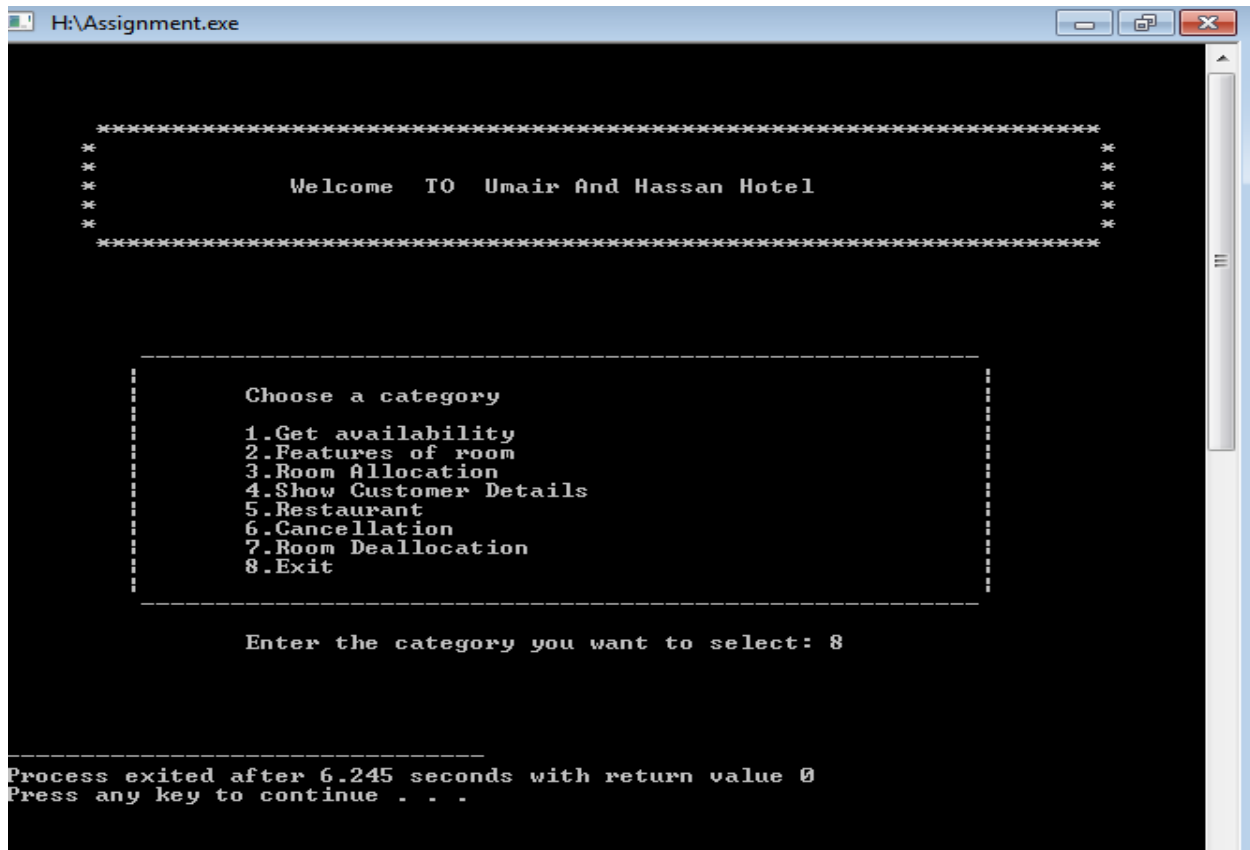
Enter the room no: 15

Name:      Zafar Iqbal
Nationality: Pakistani
Stay for 5 days
Date:
From: 2/Feb/2017
To: 7/Feb/2017
Total price: 49425
Thanks for staying here

1-----

Press 1 for main menu:
```

Enter 8



```
H:\Assignment.exe

*****
*                                     *
*      Welcome TO Umair And Hassan Hotel      *
*                                     *
*****

-----
Choose a category
-----
1.Get availability
2.Features of room
3.Room Allocation
4.Show Customer Details
5.Restaurant
6.Cancellation
7.Room Deallocation
8.Exit
-----

Enter the category you want to select: 8

-----
Process exited after 6.245 seconds with return value 0
Press any key to continue . . .
```