

Question 1

a.

- Print the dataset

The screenshot shows the SAS Results Viewer window titled "Results Viewer - sashtml". The main pane displays a table titled "Pizza" with the following data:

Obs	SurveyNum	Arugula	PineNut	Squash	Shrimp	Eggplant
1	101	1	3	3		
2	102	5	4	2		
3	103	4	2	5		
4	104	5	3	2		
5	105	3	5	5		
6	106	2	3	1		
7	107	2	5	5		
8	108	1	3	1		
9	109	4	3	3		
10	110	2	2	5		
11	201	4	2	5		
12	202	3	1	2		
13	203	3	2	5		
14	204	1	5	4		
15	205	3	2	1		
16	206	4	5	1		
17	207	5	3	5		
18	208	1	1	5		
19	209	5	4	3		
20	210	5	2	5		
21	301	1	.	5	4	
22	302	5	.	3	1	

- Print a report that describes contents without the corrected data types.

The screenshot shows the SAS Results Viewer window titled "Results Viewer - sashtml". The main pane displays the output of the CONTENTS procedure for the WORK.PIZZA dataset. The output includes a table of dataset properties and a list of variables.

The CONTENTS Procedure			
Data Set Name	WORK.PIZZA	Observations	120
Member Type	DATA	Variables	6
Engine	V9	Indexes	0
Created	2024/06/02 01:02:49	Observation Length	40
Last Modified	2024/06/02 01:02:49	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS.J4		
Encoding	utf8-jis Japanese (9.35)		

Engine/Host Dependent Information			
Data Set Page Size	65535		
Number of Data Set Pages	1		
First Data Page	1		
Max Obs per Page	192		
Obs in First Data Page	120		
Number of Data Set Reps	0		
External Row Counter	YES		
Filename	C:\Users\mr180059\AppData\Local\Temp\SAS\Temporary Files\TD12012_MV0ASCLAS95\kz0uuo\del		
Release Created	0.040198		
Next Created	104.37019		
Owner Name	CMPLX000180059		
File Size	120KB		
File Size (Bytes)	121072		

Alphabetical List of Variables and Attributes				
#	Variable	Type	Len	Format
1	Arugula	Num	8	BEST12. BEST32.
2	Eggplant	Char	1	\$1. \$1.
3	PineNut	Num	6	BEST12. BEST32.
4	Shrimp	Char	1	\$1. \$1.
5	Squash	Num	6	BEST12. BEST32.
6	SurveyNum	Num	8	BEST12. BEST32.

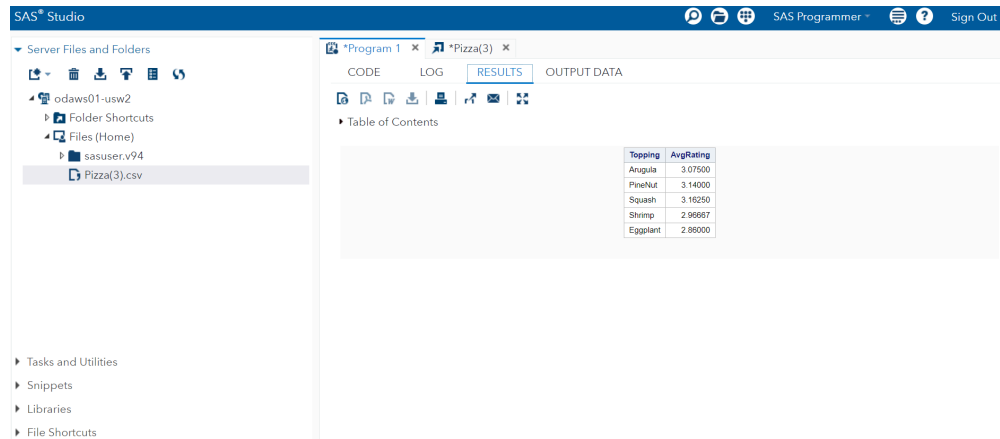
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- The screenshot displays the SAS Studio interface with the following components:
- Top Menu Bar:** File(F), Edit(E), View(V), Go(G), Tools(T), Window, Help(H).
 - Left Sidebar:**
 - Results:** A tree view showing the execution results:
 - Print: Pizza
 - Data Set WORK.PIZZA
 - Contents: Pizza
 - Explorer:** A button at the bottom of the sidebar.
 - Main Results Viewer - sashtml:**
 - The CONTENTS Procedure:**

Data Set Name	WORK:PIZZA	Observations	120
Member Type	DATA	Variables	8
Engine	V9	Indexes	0
Created	2024/09/02 01:00:11	Observation Length	46
Last Modified	2024/09/02 01:00:11	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WNC:WNS,24		
Encoding	utf-8-japanese (S.20)		
 - Engine/Host Dependent Information:**

Data Set Page Size	85336
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	1201
Obs in First Data Page	120
Number of Data Set Reps	0
ExtendedObsCounter	YES
Filenames	C:\Users\RI8071\AppData\Local\Temp\4943AS\Temporary_Files\TD12072_8MVSASCLASS5\pizzasas.html
Release Created	9/4/2019
Next Created	9/4/2019
Owner Name	C:\Users\nor180059
File Size	12910
File Size (bytes)	131072
 - Alphabetic List of Variables and Attributes:**

#	Variable	Type	Len	Format	Information
2	Angula	Num	0	BEST12.	BEST32.
6	Eggplant	Num	0	1.	BEST32.
3	PineNut	Num	0	BEST12.	BEST32.
5	Shrimp	Num	0	1.	BEST32.
4	Squash	Num	0	BEST12.	BEST32.
1	Surround	Num	0	BEST12.	BEST32.
 - Bottom Panel:**
 - Output - (Untitled)**
 - Log - (Untitled)**
 - Editor - Untitled1 ***
 - Results Viewer - sashtml**
 - Status Bar:** C:\Users\nor180059, 10:06 AM, 6/3/2024.

d.



QUESTION 2

The new management of a local hotel decided to update their recently acquired (and very outdated) property by installing wireless Internet service for their guests. They are also considering updating their billing system because the method used by the previous owner seems faulty. In order to conduct a billing analysis, they would like some calculations about the guests who stayed with them during the first part of February (this was the first month after the change of ownership). The raw data file Hotel.dat contains variables with information on room number, number of guests, check-in month, day, year, check-out month, day, year, use of wireless Internet service, number of days of Internet use, room type, and room rate.

- a) Examine the raw data file Hotel.dat and read it into SAS. Next, create date variables for the check-in and check-out dates, and format them to display as readable dates.

Ans:

Created the readable date variables using the catx function. This combines the month, day, and year for the check-in and check-out dates, making the variables into one date.

Hotel Summary

19:11 Saturday, June 8, 2024 294

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
1	211	3	2	7	2014	2	11	2014	NO
2	214	2	2	2	2014	2	12	2014	NO
3	216	4	2	2	2014	2	13	2014	NO
4	220	5	2	3	2014	2	12	2014	YES
5	221	3	2	3	2014	2	12	2014	NO
6	223	5	2	7	2014	2	13	2014	NO
7	238	4	1	31	2014	2	13	2014	YES
8	241	1	2	1	2014	2	13	2014	YES
9	244	5	2	3	2014	2	12	2014	YES
10	247	4	2	7	2014	2	11	2014	YES

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
1	.	Deluxe Suite	295	02/07/2014	02/11/2014
2	.	Basic no view	75	02/02/2014	02/12/2014
3	.	Suite	255	02/02/2014	02/13/2014
4	2	Basic w/view	155	02/03/2014	02/12/2014
5	.	Luxury	195	02/03/2014	02/12/2014
6	.	Suite	255	02/07/2014	02/13/2014
7	10	Basic w/view	155	01/31/2014	02/13/2014
8	3	Luxury	195	02/01/2014	02/13/2014
9	9	Deluxe Suite	295	02/03/2014	02/12/2014
10	4	Basic no view	75	02/07/2014	02/11/2014

Hotel Summary

19:11 Saturday, June 8, 2024 295

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
11	248	4	2	8	2014	2	13	2014	YES
12	253	3	2	2	2014	2	12	2014	YES
13	255	5	2	8	2014	2	13	2014	NO
14	270	1	2	4	2014	2	12	2014	NO
15	272	2	2	2	2014	2	11	2014	YES
16	275	1	2	2	2014	2	10	2014	NO
17	276	5	2	10	2014	2	12	2014	NO
18	281	1	2	9	2014	2	10	2014	NO
19	283	1	2	8	2014	2	11	2014	NO
20	288	3	2	2	2014	2	13	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
11	5	Basic no view	75	02/08/2014	02/13/2014
12	7	Suite	255	02/02/2014	02/12/2014
13	.	Basic w/view	155	02/08/2014	02/13/2014
14	.	Deluxe Suite	295	02/04/2014	02/12/2014
15	7	Suite	255	02/02/2014	02/11/2014
16	.	Basic no view	75	02/02/2014	02/10/2014
17	.	Basic w/view	155	02/10/2014	02/12/2014
18	.	Basic w/view	155	02/09/2014	02/10/2014
19	.	Deluxe Suite	295	02/08/2014	02/11/2014
20	.	Suite	255	02/02/2014	02/13/2014

Hotel Summary

19:11 Saturday, June 8, 2024 297

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
31	326	2	2	3	2014	2	12	2014	YES
32	342	6	2	7	2014	2	11	2014	YES
33	350	2	2	9	2014	2	10	2014	NO
34	370	4	2	2	2014	2	11	2014	YES
35	386	4	2	5	2014	2	12	2014	YES
36	397	2	2	4	2014	2	10	2014	NO
37	408	3	2	10	2014	2	11	2014	NO
38	414	4	2	9	2014	2	10	2014	YES
39	416	5	2	3	2014	2	11	2014	YES
40	417	6	2	6	2014	2	13	2014	YES

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
31	2	Deluxe Suite	295	02/03/2014	02/12/2014
32	4	Basic no view	75	02/07/2014	02/11/2014
33	.	Basic w/view	155	02/09/2014	02/10/2014
34	4	Basic w/view	155	02/02/2014	02/11/2014
35	7	Basic w/view	155	02/05/2014	02/12/2014
36	.	Luxury	195	02/04/2014	02/10/2014
37	.	Deluxe Suite	295	02/10/2014	02/11/2014
38	1	Suite	255	02/09/2014	02/10/2014
39	4	Luxury	195	02/03/2014	02/11/2014
40	5	Suite	255	02/06/2014	02/13/2014

Hotel Summary

19:11 Saturday, June 8, 2024 298

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
41	421	2	2	7	2014	2	12	2014	NO
42	425	5	2	9	2014	2	13	2014	NO
43	429	4	2	5	2014	2	13	2014	YES
44	434	4	2	8	2014	2	10	2014	NO
45	445	7	2	3	2014	2	13	2014	NO
46	450	4	2	7	2014	2	12	2014	NO
47	451	2	2	5	2014	2	11	2014	YES
48	461	4	2	4	2014	2	12	2014	NO
49	469	4	2	6	2014	2	12	2014	NO
50	472	1	2	1	2014	2	11	2014	YES

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
41	.	Basic no view	75	02/07/2014	02/12/2014
42	.	Luxury	195	02/09/2014	02/13/2014
43	7	Luxury	195	02/05/2014	02/13/2014
44	.	Deluxe Suite	295	02/08/2014	02/10/2014
45	.	Basic w/view	155	02/03/2014	02/13/2014
46	.	Basic w/view	155	02/07/2014	02/12/2014
47	2	Luxury	195	02/05/2014	02/11/2014
48	.	Luxury	195	02/04/2014	02/12/2014
49	.	Suite	255	02/06/2014	02/12/2014
50	4	Luxury	195	02/01/2014	02/11/2014

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
51	479	4	2	3	2014	2	10	2014	YES
52	503	3	2	4	2014	2	13	2014	NO
53	507	6	2	1	2014	2	11	2014	YES
54	515	2	2	5	2014	2	11	2014	NO
55	521	5	2	3	2014	2	13	2014	NO
56	524	7	2	7	2014	2	11	2014	NO
57	532	4	2	8	2014	2	11	2014	YES
58	535	5	2	7	2014	2	11	2014	NO
59	572	3	2	1	2014	2	12	2014	NO
60	574	4	2	10	2014	2	11	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
51	6	Deluxe Suite	295	02/03/2014	02/10/2014
52	.	Basic w/view	155	02/04/2014	02/13/2014
53	6	Suite	255	02/01/2014	02/11/2014
54	.	Suite	255	02/05/2014	02/11/2014
55	.	Basic w/view	155	02/03/2014	02/13/2014
56	.	Basic w/view	155	02/07/2014	02/11/2014
57	3	Suite	255	02/08/2014	02/11/2014
58	.	Basic w/view	155	02/07/2014	02/11/2014
59	.	Basic no view	75	02/01/2014	02/12/2014
60	.	Luxury	195	02/10/2014	02/11/2014

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
61	580	4	2	10	2014	2	13	2014	NO
62	589	4	2	6	2014	2	13	2014	NO
63	590	4	2	3	2014	2	12	2014	NO
64	601	3	2	7	2014	2	13	2014	NO
65	606	7	2	8	2014	2	13	2014	YES
66	608	6	2	6	2014	2	11	2014	YES
67	616	1	2	3	2014	2	12	2014	YES
68	620	5	2	8	2014	2	11	2014	YES
69	621	2	2	10	2014	2	12	2014	YES
70	622	1	2	2	2014	2	12	2014	YES

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
61	.	Basic w/view	155	02/10/2014	02/13/2014
62	.	Basic no view	75	02/06/2014	02/13/2014
63	.	Basic w/view	155	02/03/2014	02/12/2014
64	.	Suite	255	02/07/2014	02/13/2014
65	5	Suite	255	02/08/2014	02/13/2014
66	5	Basic w/view	155	02/06/2014	02/11/2014
67	9	Basic w/view	155	02/03/2014	02/12/2014
68	3	Deluxe Suite	295	02/08/2014	02/11/2014
69	2	Basic no view	75	02/10/2014	02/12/2014
70	7	Basic no view	75	02/02/2014	02/12/2014

Hotel Summary

19:11 Saturday, June 8, 2024 301

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
71	628	7	2	3	2014	2	13	2014	YES
72	629	5	2	8	2014	2	13	2014	NO
73	631	5	2	8	2014	2	10	2014	YES
74	642	6	2	3	2014	2	11	2014	YES
75	643	5	2	9	2014	2	12	2014	NO
76	646	3	2	1	2014	2	10	2014	NO
77	658	3	2	7	2014	2	13	2014	YES
78	667	4	2	3	2014	2	13	2014	NO
79	684	5	2	3	2014	2	11	2014	YES
80	686	4	2	6	2014	2	13	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
71	7	Luxury	195	02/03/2014	02/13/2014
72	.	Suite	255	02/08/2014	02/13/2014
73	2	Basic w/view	155	02/08/2014	02/10/2014
74	8	Basic no view	75	02/03/2014	02/11/2014
75	.	Suite	255	02/09/2014	02/12/2014
76	.	Suite	255	02/01/2014	02/10/2014
77	6	Basic w/view	155	02/07/2014	02/13/2014
78	.	Luxury	195	02/03/2014	02/13/2014
79	8	Basic no view	75	02/03/2014	02/11/2014
80	.	Basic w/view	155	02/06/2014	02/13/2014

Hotel Summary

19:11 Saturday, June 8, 2024 302

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
81	688	1	2	4	2014	2	10	2014	YES
82	694	1	2	8	2014	2	12	2014	YES
83	696	6	2	7	2014	2	12	2014	NO
84	714	3	2	7	2014	2	12	2014	NO
85	715	3	2	9	2014	2	13	2014	YES
86	720	2	2	9	2014	2	10	2014	NO
87	742	3	2	3	2014	2	11	2014	NO
88	750	6	2	7	2014	2	12	2014	NO
89	753	5	2	6	2014	2	13	2014	NO
90	760	6	2	9	2014	2	10	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
81	6	Basic w/view	155	02/04/2014	02/10/2014
82	4	Suite	255	02/08/2014	02/12/2014
83	.	Basic no view	75	02/07/2014	02/12/2014
84	.	Luxury	195	02/07/2014	02/12/2014
85	4	Basic w/view	155	02/09/2014	02/13/2014
86	.	Suite	255	02/09/2014	02/10/2014
87	.	Deluxe Suite	295	02/03/2014	02/11/2014
88	.	Basic w/view	155	02/07/2014	02/12/2014
89	.	Basic w/view	155	02/06/2014	02/13/2014
90	.	Luxury	195	02/09/2014	02/10/2014

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
91	765	4	2	10	2014	2	13	2014	NO
92	767	6	2	10	2014	2	11	2014	NO
93	769	3	2	9	2014	2	11	2014	YES
94	787	2	2	10	2014	2	11	2014	YES
95	802	5	2	3	2014	2	13	2014	YES
96	809	3	2	8	2014	2	13	2014	NO
97	841	7	2	1	2014	2	12	2014	NO
98	847	1	2	1	2014	2	12	2014	NO
99	853	4	2	5	2014	2	11	2014	NO
100	867	4	2	2	2014	2	11	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
91	.	Luxury	195	02/10/2014	02/13/2014
92	.	Basic no view	75	02/10/2014	02/11/2014
93	1	Luxury	195	02/09/2014	02/11/2014
94	1	Luxury	195	02/10/2014	02/11/2014
95	9	Basic w/view	155	02/03/2014	02/13/2014
96	.	Suite	255	02/08/2014	02/13/2014
97	.	Basic w/view	155	02/01/2014	02/12/2014
98	.	Basic w/view	155	02/01/2014	02/12/2014
99	.	Basic w/view	155	02/05/2014	02/11/2014
100	.	Suite	255	02/02/2014	02/11/2014

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
101	871	3	2	8	2014	2	11	2014	NO
102	872	5	2	8	2014	2	11	2014	NO
103	875	4	2	1	2014	2	11	2014	NO
104	879	5	2	2	2014	2	11	2014	YES
105	888	3	2	5	2014	2	11	2014	YES
106	890	3	2	7	2014	2	12	2014	NO
107	899	2	2	9	2014	2	12	2014	YES
108	903	1	2	8	2014	2	11	2014	YES
109	905	7	2	2	2014	2	13	2014	NO
110	914	3	2	4	2014	2	12	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
101	.	Basic w/view	155	02/08/2014	02/11/2014
102	.	Suite	255	02/08/2014	02/11/2014
103	.	Luxury	195	02/01/2014	02/11/2014
104	4	Suite	255	02/02/2014	02/11/2014
105	5	Basic no view	75	02/05/2014	02/11/2014
106	.	Suite	255	02/07/2014	02/12/2014
107	3	Deluxe Suite	295	02/09/2014	02/12/2014
108	3	Luxury	195	02/08/2014	02/11/2014
109	.	Basic w/view	155	02/02/2014	02/13/2014
110	.	Suite	255	02/04/2014	02/12/2014

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
111	920	6	2	10	2014	2	12	2014	NO
112	938	2	2	7	2014	2	10	2014	NO
113	952	3	2	6	2014	2	13	2014	NO
114	961	6	2	10	2014	2	11	2014	YES
115	966	3	2	10	2014	2	13	2014	NO
116	967	4	2	7	2014	2	11	2014	NO
117	970	2	2	5	2014	2	12	2014	NO
118	971	2	2	4	2014	2	12	2014	NO
119	976	5	2	4	2014	2	12	2014	YES
120	984	6	2	9	2014	2	12	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
111	.	Suite	255	02/10/2014	02/12/2014
112	.	Suite	255	02/07/2014	02/10/2014
113	.	Suite	255	02/06/2014	02/13/2014
114	1	Basic w/view	155	02/10/2014	02/11/2014
115	.	Deluxe Suite	295	02/10/2014	02/13/2014
116	.	Basic w/view	155	02/07/2014	02/11/2014
117	.	Basic no view	75	02/05/2014	02/12/2014
118	.	Basic w/view	155	02/04/2014	02/12/2014
119	6	Suite	255	02/04/2014	02/12/2014
120	.	Basic no view	75	02/09/2014	02/12/2014

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
121	985	2	2	8	2014	2	12	2014	YES
122	988	2	2	5	2014	2	12	2014	NO
123	989	4	2	4	2014	2	12	2014	YES
124	990	6	2	8	2014	2	11	2014	NO
125	996	7	2	3	2014	2	10	2014	NO
126	998	4	2	10	2014	2	12	2014	YES
127	1003	3	2	10	2014	2	12	2014	YES
128	1005	5	2	3	2014	2	11	2014	NO
129	1013	2	2	4	2014	2	11	2014	NO
130	1021	2	2	7	2014	2	11	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
121	3	Deluxe Suite	295	02/08/2014	02/12/2014
122	.	Suite	255	02/05/2014	02/12/2014
123	8	Luxury	195	02/04/2014	02/12/2014
124	.	Basic w/view	155	02/08/2014	02/11/2014
125	.	Deluxe Suite	295	02/03/2014	02/10/2014
126	2	Deluxe Suite	295	02/10/2014	02/12/2014
127	1	Deluxe Suite	295	02/10/2014	02/12/2014
128	.	Deluxe Suite	295	02/03/2014	02/11/2014
129	.	Basic w/view	155	02/04/2014	02/11/2014
130	.	Basic no view	75	02/07/2014	02/11/2014

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
131	1027	5	2	8	2014	2	11	2014	NO
132	1029	5	1	31	2014	2	12	2014	NO
133	1031	1	2	2	2014	2	11	2014	YES
134	1035	1	2	6	2014	2	11	2014	NO
135	1077	2	1	31	2014	2	10	2014	NO
136	1081	2	2	5	2014	2	13	2014	NO
137	1083	2	2	3	2014	2	10	2014	YES
138	1084	2	2	6	2014	2	13	2014	NO
139	1086	6	2	9	2014	2	12	2014	YES
140	1087	5	2	7	2014	2	11	2014	YES

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
131	.	Suite	255	02/08/2014	02/11/2014
132	.	Suite	255	01/31/2014	02/12/2014
133	7	Suite	255	02/02/2014	02/11/2014
134	.	Luxury	195	02/06/2014	02/11/2014
135	.	Suite	255	01/31/2014	02/10/2014
136	.	Basic no view	75	02/05/2014	02/13/2014
137	2	Basic w/view	155	02/03/2014	02/10/2014
138	.	Basic w/view	155	02/06/2014	02/13/2014
139	2	Suite	255	02/09/2014	02/12/2014
140	4	Luxury	195	02/07/2014	02/11/2014

Hotel Summary

19:11 Saturday, June 8, 2024 308

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
141	1091	5	2	8	2014	2	12	2014	YES
142	1092	5	2	8	2014	2	13	2014	YES
143	1094	7	2	10	2014	2	12	2014	NO
144	1097	5	2	4	2014	2	12	2014	NO
145	1099	7	2	9	2014	2	10	2014	YES
146	1110	6	1	31	2014	2	13	2014	YES
147	1118	2	2	6	2014	2	12	2014	YES
148	1120	4	1	31	2014	2	13	2014	YES
149	1121	6	2	2	2014	2	12	2014	NO
150	1136	4	2	2	2014	2	12	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
141	2	Basic w/view	155	02/08/2014	02/12/2014
142	1	Basic w/view	155	02/08/2014	02/13/2014
143	.	Suite	255	02/10/2014	02/12/2014
144	.	Luxury	195	02/04/2014	02/12/2014
145	1	Basic w/view	155	02/09/2014	02/10/2014
146	8	Basic w/view	155	01/31/2014	02/13/2014
147	3	Deluxe Suite	295	02/06/2014	02/12/2014
148	5	Basic w/view	155	01/31/2014	02/13/2014
149	.	Suite	255	02/02/2014	02/12/2014
150	.	Suite	255	02/02/2014	02/12/2014

Hotel Summary

19:11 Saturday, June 8, 2024 309

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
151	1137	7	2	7	2014	2	13	2014	NO
152	1141	1	2	5	2014	2	12	2014	YES
153	1148	6	2	6	2014	2	10	2014	YES
154	1152	5	2	3	2014	2	11	2014	YES
155	1170	3	2	9	2014	2	12	2014	NO
156	1173	7	2	4	2014	2	13	2014	NO
157	1179	4	2	4	2014	2	13	2014	YES
158	1182	4	2	8	2014	2	12	2014	NO
159	1198	5	2	6	2014	2	12	2014	YES
160	1200	5	2	2	2014	2	10	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
151	.	Suite	255	02/07/2014	02/13/2014
152	2	Luxury	195	02/05/2014	02/12/2014
153	4	Basic w/view	155	02/06/2014	02/10/2014
154	1	Basic no view	75	02/03/2014	02/11/2014
155	.	Luxury	195	02/09/2014	02/12/2014
156	.	Basic w/view	155	02/04/2014	02/13/2014
157	8	Basic no view	75	02/04/2014	02/13/2014
158	.	Basic w/view	155	02/08/2014	02/12/2014
159	1	Luxury	195	02/06/2014	02/12/2014
160	.	Basic no view	75	02/02/2014	02/10/2014

Hotel Summary

19:11 Saturday, June 8, 2024 310

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
161	1201	6	2	3	2014	2	12	2014	YES
162	1205	1	2	8	2014	2	12	2014	NO
163	1207	6	2	6	2014	2	10	2014	YES
164	1211	6	2	2	2014	2	11	2014	YES
165	1212	5	2	6	2014	2	13	2014	YES
166	1215	6	2	2	2014	2	11	2014	YES
167	1243	6	2	6	2014	2	13	2014	YES
168	1244	3	2	5	2014	2	13	2014	NO
169	1250	3	2	9	2014	2	11	2014	YES
170	1254	5	2	3	2014	2	13	2014	YES

Obs	Noof DaysUsed	RoomType	Room Rate	Check In Date	CheckOut Date
161	9	Basic no view	75	02/03/2014	02/12/2014
162	.	Suite	255	02/08/2014	02/12/2014
163	4	Basic w/view	155	02/06/2014	02/10/2014
164	9	Basic no view	75	02/02/2014	02/11/2014
165	1	Deluxe Suite	295	02/06/2014	02/13/2014
166	2	Basic w/view	155	02/02/2014	02/11/2014
167	2	Deluxe Suite	295	02/06/2014	02/13/2014
168	.	Basic w/view	155	02/05/2014	02/13/2014
169	2	Suite	255	02/09/2014	02/11/2014
170	6	Luxury	195	02/03/2014	02/13/2014

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet
171	1255	2	2	6	2014	2	12	2014	YES
172	1261	4	2	9	2014	2	10	2014	NO
173	1262	7	2	3	2014	2	11	2014	YES
174	1266	5	2	2	2014	2	13	2014	YES
175	1276	2	2	1	2014	2	11	2014	YES
176	1285	5	1	31	2014	2	11	2014	NO
177	1291	1	2	6	2014	2	10	2014	YES
178	1294	6	2	8	2014	2	13	2014	YES
179	1298	7	2	7	2014	2	11	2014	NO

Obs	Noof DaysUsed	RoomType	Room Rate	CheckIn Date	CheckOut Date
171	1	Luxury	195	02/06/2014	02/12/2014
172	.	Suite	255	02/09/2014	02/10/2014
173	8	Luxury	195	02/03/2014	02/11/2014
174	8	Basic no view	75	02/02/2014	02/13/2014
175	3	Basic w/view	155	02/01/2014	02/11/2014
176	.	Deluxe Suite	295	01/31/2014	02/11/2014
177	4	Basic no view	75	02/06/2014	02/10/2014
178	5	Suite	255	02/08/2014	02/13/2014
179	.	Basic w/view	155	02/07/2014	02/11/2014

- b) Create a variable that calculates the subtotal as the room rate stay, plus a per person rate times the number of days in the (\$15 per day for each person beyond one guest, for example for 3 guest, the total per person rate will be $(3-1)*15=\$30$), plus an Internet service fee (\$7.95 for a one-time activation and \$4.95 per day of use).

Ans:

If, then, else statements were used to calculate the subtotal variable of the room rate stay including a per person rate according to the number of days, and an internet fee.

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
1	211	3	2	7	2014	2	11	2014	NO	.	Deluxe Suite
2	214	2	2	2	2014	2	12	2014	NO	.	Basic no view
3	216	4	2	2	2014	2	13	2014	NO	.	Suite
4	220	5	2	3	2014	2	12	2014	YES	2	Basic w/view
5	221	3	2	3	2014	2	12	2014	NO	.	Luxury
6	223	5	2	7	2014	2	13	2014	NO	.	Suite
7	238	4	1	31	2014	2	13	2014	YES	10	Basic w/view
8	241	1	2	1	2014	2	13	2014	YES	3	Luxury
9	244	5	2	3	2014	2	12	2014	YES	9	Deluxe Suite

Obs	Room Rate	Check In Date	Check Out Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
1	295	02/07/2014	02/11/2014	4	1180	0.00	30	1300.00
2	75	02/02/2014	02/12/2014	10	750	0.00	15	900.00
3	255	02/02/2014	02/13/2014	11	2805	0.00	45	3300.00
4	155	02/03/2014	02/12/2014	9	1395	17.85	60	1952.85
5	195	02/03/2014	02/12/2014	9	1755	0.00	30	2025.00
6	255	02/07/2014	02/13/2014	6	1530	0.00	60	1890.00
7	155	01/31/2014	02/13/2014	13	2015	57.45	45	2657.45
8	195	02/01/2014	02/13/2014	12	2340	22.80	0	2362.80
9	295	02/03/2014	02/12/2014	9	2655	52.50	60	3247.50

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
10	247	4	2	7	2014	2	11	2014	YES	4	Basic no view
11	248	4	2	8	2014	2	13	2014	YES	5	Basic no view
12	253	3	2	2	2014	2	12	2014	YES	7	Suite
13	255	5	2	8	2014	2	13	2014	NO	.	Basic w/view
14	270	1	2	4	2014	2	12	2014	NO	.	Deluxe Suite
15	272	2	2	2	2014	2	11	2014	YES	7	Suite
16	275	1	2	2	2014	2	10	2014	NO	.	Basic no view
17	276	5	2	10	2014	2	12	2014	NO	.	Basic w/view
18	281	1	2	9	2014	2	10	2014	NO	.	Basic w/view

Obs	Room Rate	Check In Date	Check Out Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
10	75	02/07/2014	02/11/2014	4	300	27.75	45	507.75
11	75	02/08/2014	02/13/2014	5	375	32.70	45	632.70
12	255	02/02/2014	02/12/2014	10	2550	42.60	30	2892.60
13	155	02/08/2014	02/13/2014	5	775	0.00	60	1075.00
14	295	02/04/2014	02/12/2014	8	2360	0.00	0	2360.00
15	255	02/02/2014	02/11/2014	9	2295	42.60	15	2472.60
16	75	02/02/2014	02/10/2014	8	600	0.00	0	600.00
17	155	02/10/2014	02/12/2014	2	310	0.00	60	430.00
18	155	02/09/2014	02/10/2014	1	155	0.00	0	155.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
19	283	1	2	8	2014	2	11	2014	NO	.	Deluxe Suite
20	288	3	2	2	2014	2	13	2014	NO	.	Suite
21	293	4	2	7	2014	2	11	2014	YES	4	Basic no view
22	294	5	2	1	2014	2	12	2014	YES	3	Basic w/view
23	298	6	2	1	2014	2	10	2014	NO	.	Suite
24	303	2	2	2	2014	2	12	2014	YES	2	Luxury
25	309	2	2	6	2014	2	12	2014	YES	6	Suite
26	312	3	2	3	2014	2	13	2014	YES	4	Luxury
27	315	6	2	7	2014	2	11	2014	NO	.	Basic w/view

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
19	295	02/08/2014	02/11/2014	3	885	0.00	0	885.00
20	255	02/02/2014	02/13/2014	11	2805	0.00	30	3135.00
21	75	02/07/2014	02/11/2014	4	300	27.75	45	507.75
22	155	02/01/2014	02/12/2014	11	1705	22.80	60	2387.80
23	255	02/01/2014	02/10/2014	9	2295	0.00	75	2970.00
24	195	02/02/2014	02/12/2014	10	1950	17.85	15	2117.85
25	255	02/06/2014	02/12/2014	6	1530	37.65	15	1657.65
26	195	02/03/2014	02/13/2014	10	1950	27.75	30	2277.75
27	155	02/07/2014	02/11/2014	4	620	0.00	75	920.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
28	319	6	2	4	2014	2	11	2014	NO	.	Suite
29	322	6	2	4	2014	2	11	2014	NO	.	Basic no view
30	325	5	2	7	2014	2	12	2014	YES	5	Basic w/view
31	326	2	2	3	2014	2	12	2014	YES	2	Deluxe Suite
32	342	6	2	7	2014	2	11	2014	YES	4	Basic no view
33	350	2	2	9	2014	2	10	2014	NO	.	Basic w/view
34	370	4	2	2	2014	2	11	2014	YES	4	Basic w/view
35	386	4	2	5	2014	2	12	2014	YES	7	Basic w/view
36	397	2	2	4	2014	2	10	2014	NO	.	Luxury

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
28	255	02/04/2014	02/11/2014	7	1785	0.00	75	2310.00
29	75	02/04/2014	02/11/2014	7	525	0.00	75	1050.00
30	155	02/07/2014	02/12/2014	5	775	32.70	60	1107.70
31	295	02/03/2014	02/12/2014	9	2655	17.85	15	2807.85
32	75	02/07/2014	02/11/2014	4	300	27.75	75	627.75
33	155	02/09/2014	02/10/2014	1	155	0.00	15	170.00
34	155	02/02/2014	02/11/2014	9	1395	27.75	45	1827.75
35	155	02/05/2014	02/12/2014	7	1085	42.60	45	1442.60
36	195	02/04/2014	02/10/2014	6	1170	0.00	15	1260.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
37	408	3	2	10	2014	2	11	2014	NO	.	Deluxe Suite
38	414	4	2	9	2014	2	10	2014	YES	1	Suite
39	416	5	2	3	2014	2	11	2014	YES	4	Luxury
40	417	6	2	6	2014	2	13	2014	YES	5	Suite
41	421	2	2	7	2014	2	12	2014	NO	.	Basic no view
42	425	5	2	9	2014	2	13	2014	NO	.	Luxury
43	429	4	2	5	2014	2	13	2014	YES	7	Luxury
44	434	4	2	8	2014	2	10	2014	NO	.	Deluxe Suite
45	445	7	2	3	2014	2	13	2014	NO	.	Basic w/view

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
37	295	02/10/2014	02/11/2014	1	295	0.00	30	325.00
38	255	02/09/2014	02/10/2014	1	255	12.90	45	312.90
39	195	02/03/2014	02/11/2014	8	1560	27.75	60	2067.75
40	255	02/06/2014	02/13/2014	7	1785	32.70	75	2342.70
41	75	02/07/2014	02/12/2014	5	375	0.00	15	450.00
42	195	02/09/2014	02/13/2014	4	780	0.00	60	1020.00
43	195	02/05/2014	02/13/2014	8	1560	42.60	45	1962.60
44	295	02/08/2014	02/10/2014	2	590	0.00	45	680.00
45	155	02/03/2014	02/13/2014	10	1550	0.00	90	2450.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
46	450	4	2	7	2014	2	12	2014	NO	.	Basic w/view
47	451	2	2	5	2014	2	11	2014	YES	2	Luxury
48	461	4	2	4	2014	2	12	2014	NO	.	Luxury
49	469	4	2	6	2014	2	12	2014	NO	.	Suite
50	472	1	2	1	2014	2	11	2014	YES	4	Luxury
51	479	4	2	3	2014	2	10	2014	YES	6	Deluxe Suite
52	503	3	2	4	2014	2	13	2014	NO	.	Basic w/view
53	507	6	2	1	2014	2	11	2014	YES	6	Suite
54	515	2	2	5	2014	2	11	2014	NO	.	Suite

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
46	155	02/07/2014	02/12/2014	5	775	0.00	45	1000.00
47	195	02/05/2014	02/11/2014	6	1170	17.85	15	1277.85
48	195	02/04/2014	02/12/2014	8	1560	0.00	45	1920.00
49	255	02/06/2014	02/12/2014	6	1530	0.00	45	1800.00
50	195	02/01/2014	02/11/2014	10	1950	27.75	0	1977.75
51	295	02/03/2014	02/10/2014	7	2065	37.65	45	2417.65
52	155	02/04/2014	02/13/2014	9	1395	0.00	30	1665.00
53	255	02/01/2014	02/11/2014	10	2550	37.65	75	3337.65
54	255	02/05/2014	02/11/2014	6	1530	0.00	15	1620.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
55	521	5	2	3	2014	2	13	2014	NO	.	Basic w/view
56	524	7	2	7	2014	2	11	2014	NO	.	Basic w/view
57	532	4	2	8	2014	2	11	2014	YES	3	Suite
58	535	5	2	7	2014	2	11	2014	NO	.	Basic w/view
59	572	3	2	1	2014	2	12	2014	NO	.	Basic no view
60	574	4	2	10	2014	2	11	2014	NO	.	Luxury
61	580	4	2	10	2014	2	13	2014	NO	.	Basic w/view
62	589	4	2	6	2014	2	13	2014	NO	.	Basic no view
63	590	4	2	3	2014	2	12	2014	NO	.	Basic w/view

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
55	155	02/03/2014	02/13/2014	10	1550	0.00	60	2150.00
56	155	02/07/2014	02/11/2014	4	620	0.00	90	980.00
57	255	02/08/2014	02/11/2014	3	765	22.80	45	922.80
58	155	02/07/2014	02/11/2014	4	620	0.00	60	860.00
59	75	02/01/2014	02/12/2014	11	825	0.00	30	1155.00
60	195	02/10/2014	02/11/2014	1	195	0.00	45	240.00
61	155	02/10/2014	02/13/2014	3	465	0.00	45	600.00
62	75	02/06/2014	02/13/2014	7	525	0.00	45	840.00
63	155	02/03/2014	02/12/2014	9	1395	0.00	45	1800.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
64	601	3	2	7	2014	2	13	2014	NO	.	Suite
65	606	7	2	8	2014	2	13	2014	YES	5	Suite
66	608	6	2	6	2014	2	11	2014	YES	5	Basic w/view
67	616	1	2	3	2014	2	12	2014	YES	9	Basic w/view
68	620	5	2	8	2014	2	11	2014	YES	3	Deluxe Suite
69	621	2	2	10	2014	2	12	2014	YES	2	Basic no view
70	622	1	2	2	2014	2	12	2014	YES	7	Basic no view
71	628	7	2	3	2014	2	13	2014	YES	7	Luxury
72	629	5	2	8	2014	2	13	2014	NO	.	Suite

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
64	255	02/07/2014	02/13/2014	6	1530	0.00	30	1710.00
65	255	02/08/2014	02/13/2014	5	1275	32.70	90	1757.70
66	155	02/06/2014	02/11/2014	5	775	32.70	75	1182.70
67	155	02/03/2014	02/12/2014	9	1395	52.50	0	1447.50
68	295	02/08/2014	02/11/2014	3	885	22.80	60	1087.80
69	75	02/10/2014	02/12/2014	2	150	17.85	15	197.85
70	75	02/02/2014	02/12/2014	10	750	42.60	0	792.60
71	195	02/03/2014	02/13/2014	10	1950	42.60	90	2892.60
72	255	02/08/2014	02/13/2014	5	1275	0.00	60	1575.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
73	631	5	2	8	2014	2	10	2014	YES	2	Basic w/view
74	642	6	2	3	2014	2	11	2014	YES	8	Basic no view
75	643	5	2	9	2014	2	12	2014	NO	.	Suite
76	646	3	2	1	2014	2	10	2014	NO	.	Suite
77	658	3	2	7	2014	2	13	2014	YES	6	Basic w/view
78	667	4	2	3	2014	2	13	2014	NO	.	Luxury
79	684	5	2	3	2014	2	11	2014	YES	8	Basic no view
80	686	4	2	6	2014	2	13	2014	NO	.	Basic w/view
81	688	1	2	4	2014	2	10	2014	YES	6	Basic w/view

Obs	Room Rate	Check In Date	Check Out Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
73	155	02/08/2014	02/10/2014	2	310	17.85	60	447.85
74	75	02/03/2014	02/11/2014	8	600	47.55	75	1247.55
75	255	02/09/2014	02/12/2014	3	765	0.00	60	945.00
76	255	02/01/2014	02/10/2014	9	2295	0.00	30	2565.00
77	155	02/07/2014	02/13/2014	6	930	37.65	30	1147.65
78	195	02/03/2014	02/13/2014	10	1950	0.00	45	2400.00
79	75	02/03/2014	02/11/2014	8	600	47.55	60	1127.55
80	155	02/06/2014	02/13/2014	7	1085	0.00	45	1400.00
81	155	02/04/2014	02/10/2014	6	930	37.65	0	967.65

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
82	694	1	2	8	2014	2	12	2014	YES	4	Suite
83	696	6	2	7	2014	2	12	2014	NO	.	Basic no view
84	714	3	2	7	2014	2	12	2014	NO	.	Luxury
85	715	3	2	9	2014	2	13	2014	YES	4	Basic w/view
86	720	2	2	9	2014	2	10	2014	NO	.	Suite
87	742	3	2	3	2014	2	11	2014	NO	.	Deluxe Suite
88	750	6	2	7	2014	2	12	2014	NO	.	Basic w/view
89	753	5	2	6	2014	2	13	2014	NO	.	Basic w/view
90	760	6	2	9	2014	2	10	2014	NO	.	Luxury

Obs	Room Rate	Check In Date	Check Out Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
82	255	02/08/2014	02/12/2014	4	1020	27.75	0	1047.75
83	75	02/07/2014	02/12/2014	5	375	0.00	75	750.00
84	195	02/07/2014	02/12/2014	5	975	0.00	30	1125.00
85	155	02/09/2014	02/13/2014	4	620	27.75	30	767.75
86	255	02/09/2014	02/10/2014	1	255	0.00	15	270.00
87	295	02/03/2014	02/11/2014	8	2360	0.00	30	2600.00
88	155	02/07/2014	02/12/2014	5	775	0.00	75	1150.00
89	155	02/06/2014	02/13/2014	7	1085	0.00	60	1505.00
90	195	02/09/2014	02/10/2014	1	195	0.00	75	270.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
91	765	4	2	10	2014	2	13	2014	NO	.	Luxury
92	767	6	2	10	2014	2	11	2014	NO	.	Basic no view
93	769	3	2	9	2014	2	11	2014	YES	1	Luxury
94	787	2	2	10	2014	2	11	2014	YES	1	Luxury
95	802	5	2	3	2014	2	13	2014	YES	9	Basic w/view
96	809	3	2	8	2014	2	13	2014	NO	.	Suite
97	841	7	2	1	2014	2	12	2014	NO	.	Basic w/view
98	847	1	2	1	2014	2	12	2014	NO	.	Basic w/view
99	853	4	2	5	2014	2	11	2014	NO	.	Basic w/view

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
91	195	02/10/2014	02/13/2014	3	585	0.00	45	720.00
92	75	02/10/2014	02/11/2014	1	75	0.00	75	150.00
93	195	02/09/2014	02/11/2014	2	390	12.90	30	462.90
94	195	02/10/2014	02/11/2014	1	195	12.90	15	222.90
95	155	02/03/2014	02/13/2014	10	1550	52.50	60	2202.50
96	255	02/08/2014	02/13/2014	5	1275	0.00	30	1425.00
97	155	02/01/2014	02/12/2014	11	1705	0.00	90	2695.00
98	155	02/01/2014	02/12/2014	11	1705	0.00	0	1705.00
99	155	02/05/2014	02/11/2014	6	930	0.00	45	1200.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
100	867	4	2	2	2014	2	11	2014	NO	.	Suite
101	871	3	2	8	2014	2	11	2014	NO	.	Basic w/view
102	872	5	2	8	2014	2	11	2014	NO	.	Suite
103	875	4	2	1	2014	2	11	2014	NO	.	Luxury
104	879	5	2	2	2014	2	11	2014	YES	4	Suite
105	888	3	2	5	2014	2	11	2014	YES	5	Basic no view
106	890	3	2	7	2014	2	12	2014	NO	.	Suite
107	899	2	2	9	2014	2	12	2014	YES	3	Deluxe Suite
108	903	1	2	8	2014	2	11	2014	YES	3	Luxury

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
100	255	02/02/2014	02/11/2014	9	2295	0.00	45	2700.00
101	155	02/08/2014	02/11/2014	3	465	0.00	30	555.00
102	255	02/08/2014	02/11/2014	3	765	0.00	60	945.00
103	195	02/01/2014	02/11/2014	10	1950	0.00	45	2400.00
104	255	02/02/2014	02/11/2014	9	2295	27.75	60	2862.75
105	75	02/05/2014	02/11/2014	6	450	32.70	30	662.70
106	255	02/07/2014	02/12/2014	5	1275	0.00	30	1425.00
107	295	02/09/2014	02/12/2014	3	885	22.80	15	952.80
108	195	02/08/2014	02/11/2014	3	585	22.80	0	607.80

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
109	905	7	2	2	2014	2	13	2014	NO	.	Basic w/view
110	914	3	2	4	2014	2	12	2014	NO	.	Suite
111	920	6	2	10	2014	2	12	2014	NO	.	Suite
112	938	2	2	7	2014	2	10	2014	NO	.	Suite
113	952	3	2	6	2014	2	13	2014	NO	.	Suite
114	961	6	2	10	2014	2	11	2014	YES	1	Basic w/view
115	966	3	2	10	2014	2	13	2014	NO	.	Deluxe Suite
116	967	4	2	7	2014	2	11	2014	NO	.	Basic w/view
117	970	2	2	5	2014	2	12	2014	NO	.	Basic no view

Obs	Room Rate	Check In Date	Check Out Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
109	155	02/02/2014	02/13/2014	11	1705	0.00	90	2695.00
110	255	02/04/2014	02/12/2014	8	2040	0.00	30	2280.00
111	255	02/10/2014	02/12/2014	2	510	0.00	75	660.00
112	255	02/07/2014	02/10/2014	3	765	0.00	15	810.00
113	255	02/06/2014	02/13/2014	7	1785	0.00	30	1995.00
114	155	02/10/2014	02/11/2014	1	155	12.90	75	242.90
115	295	02/10/2014	02/13/2014	3	885	0.00	30	975.00
116	155	02/07/2014	02/11/2014	4	620	0.00	45	800.00
117	75	02/05/2014	02/12/2014	7	525	0.00	15	630.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
118	971	2	2	4	2014	2	12	2014	NO	.	Basic w/view
119	976	5	2	4	2014	2	12	2014	YES	6	Suite
120	984	6	2	9	2014	2	12	2014	NO	.	Basic no view
121	985	2	2	8	2014	2	12	2014	YES	3	Deluxe Suite
122	988	2	2	5	2014	2	12	2014	NO	.	Suite
123	989	4	2	4	2014	2	12	2014	YES	8	Luxury
124	990	6	2	8	2014	2	11	2014	NO	.	Basic w/view
125	996	7	2	3	2014	2	10	2014	NO	.	Deluxe Suite
126	998	4	2	10	2014	2	12	2014	YES	2	Deluxe Suite

Obs	Room Rate	Check In Date	Check Out Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
118	155	02/04/2014	02/12/2014	8	1240	0.00	15	1360.00
119	255	02/04/2014	02/12/2014	8	2040	37.65	60	2557.65
120	75	02/09/2014	02/12/2014	3	225	0.00	75	450.00
121	295	02/08/2014	02/12/2014	4	1180	22.80	15	1262.80
122	255	02/05/2014	02/12/2014	7	1785	0.00	15	1890.00
123	195	02/04/2014	02/12/2014	8	1560	47.55	45	1967.55
124	155	02/08/2014	02/11/2014	3	465	0.00	75	690.00
125	295	02/03/2014	02/10/2014	7	2065	0.00	90	2695.00
126	295	02/10/2014	02/12/2014	2	590	17.85	45	697.85

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
127	1003	3	2	10	2014	2	12	2014	YES	1	Deluxe Suite
128	1005	5	2	3	2014	2	11	2014	NO	.	Deluxe Suite
129	1013	2	2	4	2014	2	11	2014	NO	.	Basic w/view
130	1021	2	2	7	2014	2	11	2014	NO	.	Basic no view
131	1027	5	2	8	2014	2	11	2014	NO	.	Suite
132	1029	5	1	31	2014	2	12	2014	NO	.	Suite
133	1031	1	2	2	2014	2	11	2014	YES	7	Suite
134	1035	1	2	6	2014	2	11	2014	NO	.	Luxury
135	1077	2	1	31	2014	2	10	2014	NO	.	Suite

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
127	295	02/10/2014	02/12/2014	2	590	12.90	30	662.90
128	295	02/03/2014	02/11/2014	8	2360	0.00	60	2840.00
129	155	02/04/2014	02/11/2014	7	1085	0.00	15	1190.00
130	75	02/07/2014	02/11/2014	4	300	0.00	15	360.00
131	255	02/08/2014	02/11/2014	3	765	0.00	60	945.00
132	255	01/31/2014	02/12/2014	12	3060	0.00	60	3780.00
133	255	02/02/2014	02/11/2014	9	2295	42.60	0	2337.60
134	195	02/06/2014	02/11/2014	5	975	0.00	0	975.00
135	255	01/31/2014	02/10/2014	10	2550	0.00	15	2700.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
136	1081	2	2	5	2014	2	13	2014	NO	.	Basic no view
137	1083	2	2	3	2014	2	10	2014	YES	2	Basic w/view
138	1084	2	2	6	2014	2	13	2014	NO	.	Basic w/view
139	1086	6	2	9	2014	2	12	2014	YES	2	Suite
140	1087	5	2	7	2014	2	11	2014	YES	4	Luxury
141	1091	5	2	8	2014	2	12	2014	YES	2	Basic w/view
142	1092	5	2	8	2014	2	13	2014	YES	1	Basic w/view
143	1094	7	2	10	2014	2	12	2014	NO	.	Suite
144	1097	5	2	4	2014	2	12	2014	NO	.	Luxury

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
136	75	02/05/2014	02/13/2014	8	600	0.00	15	720.00
137	155	02/03/2014	02/10/2014	7	1085	17.85	15	1207.85
138	155	02/06/2014	02/13/2014	7	1085	0.00	15	1190.00
139	255	02/09/2014	02/12/2014	3	765	17.85	75	1007.85
140	195	02/07/2014	02/11/2014	4	780	27.75	60	1047.75
141	155	02/08/2014	02/12/2014	4	620	17.85	60	877.85
142	155	02/08/2014	02/13/2014	5	775	12.90	60	1087.90
143	255	02/10/2014	02/12/2014	2	510	0.00	90	690.00
144	195	02/04/2014	02/12/2014	8	1560	0.00	60	2040.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
145	1099	7	2	9	2014	2	10	2014	YES	1	Basic w/view
146	1110	6	1	31	2014	2	13	2014	YES	8	Basic w/view
147	1118	2	2	6	2014	2	12	2014	YES	3	Deluxe Suite
148	1120	4	1	31	2014	2	13	2014	YES	5	Basic w/view
149	1121	6	2	2	2014	2	12	2014	NO	.	Suite
150	1136	4	2	2	2014	2	12	2014	NO	.	Suite
151	1137	7	2	7	2014	2	13	2014	NO	.	Suite
152	1141	1	2	5	2014	2	12	2014	YES	2	Luxury
153	1148	6	2	6	2014	2	10	2014	YES	4	Basic w/view

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
145	155	02/09/2014	02/10/2014	1	155	12.90	90	257.90
146	155	01/31/2014	02/13/2014	13	2015	47.55	75	3037.55
147	295	02/06/2014	02/12/2014	6	1770	22.80	15	1882.80
148	155	01/31/2014	02/13/2014	13	2015	32.70	45	2632.70
149	255	02/02/2014	02/12/2014	10	2550	0.00	75	3300.00
150	255	02/02/2014	02/12/2014	10	2550	0.00	45	3000.00
151	255	02/07/2014	02/13/2014	6	1530	0.00	90	2070.00
152	195	02/05/2014	02/12/2014	7	1365	17.85	0	1382.85
153	155	02/06/2014	02/10/2014	4	620	27.75	75	947.75

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
154	1152	5	2	3	2014	2	11	2014	YES	1	Basic no view
155	1170	3	2	9	2014	2	12	2014	NO	.	Luxury
156	1173	7	2	4	2014	2	13	2014	NO	.	Basic w/view
157	1179	4	2	4	2014	2	13	2014	YES	8	Basic no view
158	1182	4	2	8	2014	2	12	2014	NO	.	Basic w/view
159	1198	5	2	6	2014	2	12	2014	YES	1	Luxury
160	1200	5	2	2	2014	2	10	2014	NO	.	Basic no view
161	1201	6	2	3	2014	2	12	2014	YES	9	Basic no view
162	1205	1	2	8	2014	2	12	2014	NO	.	Suite

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
154	75	02/03/2014	02/11/2014	8	600	12.90	60	1092.90
155	195	02/09/2014	02/12/2014	3	585	0.00	30	675.00
156	155	02/04/2014	02/13/2014	9	1395	0.00	90	2205.00
157	75	02/04/2014	02/13/2014	9	675	47.55	45	1127.55
158	155	02/08/2014	02/12/2014	4	620	0.00	45	800.00
159	195	02/06/2014	02/12/2014	6	1170	12.90	60	1542.90
160	75	02/02/2014	02/10/2014	8	600	0.00	60	1080.00
161	75	02/03/2014	02/12/2014	9	675	52.50	75	1402.50
162	255	02/08/2014	02/12/2014	4	1020	0.00	0	1020.00

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
163	1207	6	2	6	2014	2	10	2014	YES	4	Basic w/view
164	1211	6	2	2	2014	2	11	2014	YES	9	Basic no view
165	1212	5	2	6	2014	2	13	2014	YES	1	Deluxe Suite
166	1215	6	2	2	2014	2	11	2014	YES	2	Basic w/view
167	1243	6	2	6	2014	2	13	2014	YES	2	Deluxe Suite
168	1244	3	2	5	2014	2	13	2014	NO	.	Basic w/view
169	1250	3	2	9	2014	2	11	2014	YES	2	Suite
170	1254	5	2	3	2014	2	13	2014	YES	6	Luxury
171	1255	2	2	6	2014	2	12	2014	YES	1	Luxury

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
163	155	02/06/2014	02/10/2014	4	620	27.75	75	947.75
164	75	02/02/2014	02/11/2014	9	675	52.50	75	1402.50
165	295	02/06/2014	02/13/2014	7	2065	12.90	60	2497.90
166	155	02/02/2014	02/11/2014	9	1395	17.85	75	2087.85
167	295	02/06/2014	02/13/2014	7	2065	17.85	75	2607.85
168	155	02/05/2014	02/13/2014	8	1240	0.00	30	1480.00
169	255	02/09/2014	02/11/2014	2	510	17.85	30	587.85
170	195	02/03/2014	02/13/2014	10	1950	37.65	60	2587.65
171	195	02/06/2014	02/12/2014	6	1170	12.90	15	1272.90

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType
172	1261	4	2	9	2014	2	10	2014	NO	.	Suite
173	1262	7	2	3	2014	2	11	2014	YES	8	Luxury
174	1266	5	2	2	2014	2	13	2014	YES	8	Basic no view
175	1276	2	2	1	2014	2	11	2014	YES	3	Basic w/view
176	1285	5	1	31	2014	2	11	2014	NO	.	Deluxe Suite
177	1291	1	2	6	2014	2	10	2014	YES	4	Basic no view
178	1294	6	2	8	2014	2	13	2014	YES	5	Suite
179	1298	7	2	7	2014	2	11	2014	NO	.	Basic w/view

Obs	Room Rate	Check In Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total
172	255	02/09/2014	02/10/2014	1	255	0.00	45	300.00
173	195	02/03/2014	02/11/2014	8	1560	47.55	90	2327.55
174	75	02/02/2014	02/13/2014	11	825	47.55	60	1532.55
175	155	02/01/2014	02/11/2014	10	1550	22.80	15	1722.80
176	295	01/31/2014	02/11/2014	11	3245	0.00	60	3905.00
177	75	02/06/2014	02/10/2014	4	300	27.75	0	327.75
178	255	02/08/2014	02/13/2014	5	1275	32.70	75	1682.70
179	155	02/07/2014	02/11/2014	4	620	0.00	90	980.00

c) Create a variable that calculates the grand total as the subtotal plus sales tax at 2.5%. The result should be rounded to two decimal places.

Ans.

A variable for SalesTax was created with 2.5% as as the tax amount on SubTotal, then GrandTotal Variable was created having SubTotal + SalesTax amount. It was further rounded off to two decimal places and the then PROC PRINT was used to display the output.

Output

Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType	Room Rate	CheckIn Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total	Sales Tax	Grand Total
1	211	3	2	7	2014	2	11	2014	NO	.	Deluxe Suite	295	02/07/2014	02/11/2014	4	1180	0.00	30	1300.00	32.5000	1332.50
2	214	2	2	2	2014	2	12	2014	NO	.	Basic no view	75	02/02/2014	02/12/2014	10	750	0.00	15	900.00	22.5000	922.50
3	216	4	2	2	2014	2	13	2014	NO	.	Suite	255	02/02/2014	02/13/2014	11	2805	0.00	45	3300.00	82.5000	3382.50
4	220	5	2	3	2014	2	12	2014	YES	2	Basic w/view	155	02/03/2014	02/12/2014	9	1395	17.85	60	1952.85	48.8213	2001.67
5	221	3	2	3	2014	2	12	2014	NO	.	Luxury	195	02/03/2014	02/12/2014	9	1755	0.00	30	2025.00	50.6250	2075.63
6	223	5	2	7	2014	2	13	2014	NO	.	Suite	255	02/07/2014	02/13/2014	6	1530	0.00	60	1890.00	47.2500	1937.25
7	238	4	1	31	2014	2	13	2014	YES	10	Basic w/view	155	01/31/2014	02/13/2014	13	2015	57.45	45	2657.45	66.4363	2723.89
8	241	1	2	1	2014	2	13	2014	YES	3	Luxury	195	02/01/2014	02/13/2014	12	2340	22.80	0	2362.80	59.0700	2421.87
9	244	5	2	3	2014	2	12	2014	YES	9	Deluxe Suite	295	02/03/2014	02/12/2014	9	2655	52.50	60	3247.50	81.1875	3328.69
10	247	4	2	7	2014	2	11	2014	YES	4	Basic no view	75	02/07/2014	02/11/2014	4	300	27.75	45	507.75	12.6938	520.44
11	248	4	2	8	2014	2	13	2014	YES	5	Basic no view	75	02/08/2014	02/13/2014	5	375	32.70	45	632.70	15.8175	648.52
12	253	3	2	2	2014	2	12	2014	YES	7	Suite	255	02/02/2014	02/12/2014	10	2550	42.60	30	2892.60	72.3150	2964.92
13	255	5	2	8	2014	2	13	2014	NO	.	Basic w/view	155	02/08/2014	02/13/2014	5	775	0.00	60	1075.00	26.8750	1101.88
14	270	1	2	4	2014	2	12	2014	NO	.	Deluxe Suite	295	02/04/2014	02/12/2014	8	2360	0.00	0	2360.00	59.0000	2419.00
15	272	2	2	2	2014	2	11	2014	YES	7	Suite	255	02/02/2014	02/11/2014	9	2295	42.60	15	2472.60	61.8150	2534.42
16	275	1	2	2	2014	2	10	2014	NO	.	Basic no view	75	02/02/2014	02/10/2014	8	600	0.00	0	600.00	15.0000	615.00
17	276	5	2	10	2014	2	12	2014	NO	.	Basic w/view	155	02/10/2014	02/12/2014	2	310	0.00	60	430.00	10.7500	440.75
18	281	1	2	9	2014	2	10	2014	NO	.	Basic w/view	155	02/09/2014	02/10/2014	1	155	0.00	0	155.00	3.8750	158.88
19	283	1	2	8	2014	2	11	2014	NO	.	Deluxe Suite	295	02/08/2014	02/11/2014	3	885	0.00	0	885.00	22.1250	907.13
20	288	3	2	2	2014	2	13	2014	NO	.	Suite	255	02/02/2014	02/13/2014	11	2805	0.00	30	3135.00	78.3750	3213.38
21	293	4	2	7	2014	2	11	2014	YES	4	Basic no view	75	02/07/2014	02/11/2014	4	300	27.75	45	507.75	12.6938	520.44
22	294	5	2	1	2014	2	12	2014	YES	3	Basic w/view	155	02/01/2014	02/12/2014	11	1705	22.80	60	2387.80	59.6350	2447.50
23	298	6	2	1	2014	2	10	2014	NO	.	Suite	255	02/01/2014	02/10/2014	9	2295	0.00	75	2970.00	74.2500	3044.25
24	303	2	2	2	2014	2	12	2014	YES	2	Luxury	195	02/02/2014	02/12/2014	10	1950	17.85	15	2117.85	52.9463	2170.80
25	309	2	2	6	2014	2	12	2014	YES	6	Suite	255	02/06/2014	02/12/2014	6	1530	37.65	15	1657.65	41.4413	1699.09
26	312	3	2	3	2014	2	13	2014	YES	4	Luxury	195	02/03/2014	02/13/2014	10	1950	27.75	30	2277.75	56.9438	2334.69
27	315	6	2	7	2014	2	11	2014	NO	.	Basic w/view	155	02/07/2014	02/11/2014	4	620	0.00	75	920.00	23.0000	943.00
28	319	6	2	4	2014	2	11	2014	NO	.	Suite	255	02/04/2014	02/11/2014	7	1785	0.00	75	2310.00	57.7500	2367.75
29	322	6	2	4	2014	2	11	2014	NO	.	Basic no view	75	02/04/2014	02/11/2014	7	525	0.00	75	1050.00	26.2500	1076.25
30	325	5	2	7	2014	2	12	2014	YES	5	Basic w/view	155	02/07/2014	02/12/2014	5	775	32.70	60	1107.70	27.6325	1135.39
31	326	2	2	3	2014	2	12	2014	YES	2	Deluxe Suite	295	02/03/2014	02/12/2014	9	2655	17.85	15	2807.85	70.1963	2878.05
32	342	6	2	7	2014	2	11	2014	YES	4	Basic no view	75	02/07/2014	02/11/2014	4	300	27.75	75	627.75	15.6938	643.44
33	350	2	2	9	2014	2	10	2014	NO	.	Basic w/view	155	02/09/2014	02/10/2014	1	155	0.00	15	170.00	4.2500	174.25
34	370	4	2	2	2014	2	11	2014	YES	4	Basic w/view	155	02/02/2014	02/11/2014	9	1395	27.75	45	1827.75	45.6938	1873.44
35	386	4	2	5	2014	2	12	2014	YES	7	Basic w/view	155	02/05/2014	02/12/2014	7	1085	42.60	45	1442.60	36.0650	1478.67
36	397	2	2	4	2014	2	10	2014	NO	.	Luxury	195	02/04/2014	02/10/2014	6	1170	0.00	15	1260.00	31.5000	1291.50
37	408	3	2	10	2014	2	11	2014	NO	.	Deluxe Suite	295	02/10/2014	02/11/2014	1	295	0.00	30	325.00	8.1250	333.13
38	414	4	2	9	2014	2	10	2014	YES	1	Suite	255	02/09/2014	02/10/2014	1	255	12.30	45	312.90	7.8225	320.72
39	416	5	2	3	2014	2	11	2014	YES	4	Luxury	195	02/03/2014	02/11/2014	8	1560	27.75	60	2067.75	51.6938	2119.44
40	417	6	2	6	2014	2	13	2014	YES	5	Suite	255	02/06/2014	02/13/2014	7	1785	32.70	75	2342.70	58.5675	2401.27
41	421	2	2	7	2014	2	12	2014	NO	.	Basic no view	75	02/07/2014	02/12/2014	5	375	0.00	15	450.00	11.2500	461.25
42	425	5	2	9	2014	2	13	2014	NO	.	Luxury	195	02/09/2014	02/13/2014	4	780	0.00	60	1020.00	25.5000	1045.50
43	429	4	2	5	2014	2	13	2014	YES	7	Luxury	195	02/05/2014	02/13/2014	8	1560	42.60	45	1962.60	49.0650	2011.67
44	434	4	2	8	2014	2	10	2014	NO	.	Deluxe Suite	295	02/08/2014	02/10/2014	2	530	0.00	45	680.00	17.0000	697.00
45	445	7	2	3	2014	2	13	2014	NO	.	Basic w/view	155	02/03/2014	02/13/2014	10	1550	0.00	90	2450.00	61.2500	2511.25
46	450	4	2	7	2014	2	12	2014	NO	.	Basic w/view	155	02/07/2014	02/12/2014	5	775	0.00	45	1000.00	25.0000	1025.00
47	451	2	2	5	2014	2	11	2014	YES	2	Luxury	195	02/05/2014	02/11/2014	6	1170	17.85	15	1277.85	31.9463	1309.80
48	461	4	2	4	2014	2	12	2014	NO	.	Luxury	195	02/04/2014	02/12/2014	8	1560	0.00	45	1920.00	48.0000	1968.00
49	469	4	2	6	2014	2	12	2014	NO	.	Suite	255	02/06/2014	02/12/2014	6	1530	0.00	45	1800.00	45.0000	1845.00
50	472	1	2	1	2014	2	11	2014	YES	4	Luxury	195	02/01/2014	02/11/2014	10	1950	27.75	0	1977.75	49.4438	2027.19
51	479	4	2	3	2014	2	10	2014	YES	6	Deluxe Suite	295	02/03/2014	02/10/2014	7	2065	37.65	45	2417.65	60.4413	2478.09
52	503	3	2	4	2014	2	13	2014	NO	.	Basic w/view	155	02/04/2014	02/13/2014	9	1395	0.00	30	1685.00	41.6250	1706.63
53	507	6	2	1	2014	2	11	2014	YES	6	Suite	255	02/01/2014	02/11/2014	10	2550	37.65	75	3337.65	83.4413	3421.09
54	515	2	2	5	2014	2	11	2014	NO	.	Suite	255	02/05/2014	02/11/2014	6	1530	0.00	15	1620.00	40.5000	1660.50
55	521	5	2	3	2014	2	13	2014	NO	.	Basic w/view	155	02/03/2014	02/13/2014	10	1550	0.00	60	2150.00	53.7500	2203.75
56	524	7	2	7	2014	2	11	2014	NO	.	Basic w/view	155	02/07/2014	02/11/2014	4	620	0.00	90	980.00	24.5000	1004.50
57	532	4	2	8	2014	2	11	2014	YES	3	Suite	255	02/08/2014	02/11/2014	3	765	22.80	45	922.80	23.0700	945.87
58	535	5	2	7	2014	2	11	2014	NO	.	Basic w/view	155	02/07/2014	02/11/2014	4	620	0.00	60	860.00	21.5000	881.50
59	572	3	2	1	2014	2	12	2014	NO	.	Basic no view	75	02/01/2014	02/12/2014	11	825	0.00	30	1155.00	28.8750	1183.88
60	574	4	2	10	2014	2	11	2014	NO	.	Luxury	195	02/10/2014	02/11/2014	1	195	0.00	45	240.00	6.0000	246.00
61	580	4	2	10	2014	2	13	2014	NO	.	Basic w/view	155	02/10/2014	02/13/2014	3	465	0.00	45	600.00	15.0000	615.00
62	589	4	2	6	2014	2	13	2014	NO	.	Basic no view	75	02/06/2014	02/13/2014	7	525	0.00	45	840.00	21.0000	861.00
63	590	4	2	3	2014	2	12	2014	NO	.	Basic w/view	155	02/03/2014	02/12/2014	9	1395	0.00	45	1800.00	45.0000	1845.00

d) View the resulting data set. In a comment in your report, state the value for the grand total for room 211.

Output

The SAS System															22:57 Sunday, June 9, 2024 17						
Obs	Room Number	Noof Guests	Check InMonth	day	year	Check OutMonth	Date	COMYear	Wireless Internet	Noof DaysUsed	RoomType	Room Rate	CheckIn Date	CheckOut Date	NoOf Days Stayed	Total RoomRate	Internet Service	Person Rate	Sub Total	Sales Tax	Grand Total
1	211	3	2	7	2014	2	11	2014	NO	.	Deluxe Suite	295	02/07/2014	02/11/2014	4	1180	0	30	1300	32.5	1332.5