

Read, understand and write *.cpp code for Pr5, Chapter 5 Programming Challenge #9 Hotel Occupancy, pp. 298 – 299. Only add an additional question “**What is the hotel's lowest floor with rooms?**”. This value should not be more than number of floors in the building.

The output may look like:

How many floors does the hotel have? 15

What is the hotel's lowest floor with rooms? 16

This number should be not bigger than 15: 10

How many rooms are on floor 10? 5

Please enter 10 or more: 14

How many of those rooms are occupied? 15

The number should be in the range of 0 through 14: 8

How many rooms are on floor 11? 6

Please enter 10 or more: 12

How many of those rooms are occupied? 10

How many rooms are on floor 12? 10

How many of those rooms are occupied? 7

How many rooms are on floor 14? 11

How many of those rooms are occupied? 9

How many rooms are on floor 15? 15

How many of those rooms are occupied? 12

The hotel has a total of 62 rooms.

46 are occupied.

16 are empty.

The occupancy rate is 74.2%