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//Zaids Programme :)

#include <iostream>

using namespace std;

int main()
{
    int floor,rooms,occroom,z;

    double percent,total_r=0,total_or=0,total_ur=0;

    cout<<"How many floors does this Hotel have?\n";

    cin>>floor;

    for(z=1;z<=floor;z++)
    {
        cout<<"What are the number of rooms on floor "<<z<<"?"<<endl;

        cin>>rooms;

        cout<<"What is the number of occupied rooms on floor "<<z<<"?"<<endl;

        cin>>occroom;

        total_r+=rooms;

        total_or+=occroom;

        total_ur=(total_r)-(total_or);

    }

    percent=(total_or)/(total_r)*100;

    cout<<"Number of rooms in this Hotel is : "<<total_r<<endl;

    cout<<"Number of rooms that are currently occupied is : "<<total_or<<endl;

    cout<<"Number of rooms that is currently unoccupied is : "<<total_ur<<endl;

    cout<<"The percentage of rooms that is occupied is : "<<percent<<endl;

    cout<<"Thank You for using our software :) =)";

    return 0;

}

```