

Programming assignment 1 report

Develop of the house:

For roof, I split into two parts. I use a for loop to build from roof top to penultimate line. And use another for loop to build the bottom of the roof.

For the house body, I split into 6 parts. 2 lines of ceiling, 10 lines between ceiling and window, 25 lines for window and door, and 3 more lines for the rest of the door (the height of door is 28, while the height of window is 25). And 2 lines from the door to the house bottom, last part is 2 lines of the house bottom.

So that the total height of the house body is $2+10+25+3+2+2=44$.

Problem encounter:

Basically, I didn't encounter so many problems. I think the only big problem is that when I compiled my code, there was always different figure each time, which means that sometimes I successfully compiled the correct figure(house), but sometimes it just compiled random figure. I think maybe the problem is from Dev c++ itself, because so of my classmates have the same problem.

But if I input any integer or any number, the code can compile correctly. As a solution, I add a variation ABC and `[scanf("%d", ABC)]` to input some number or any number to make it compile correctly.