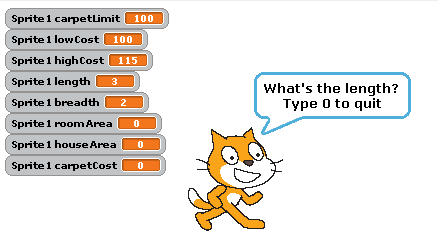
Record of coding and testing for House area question:

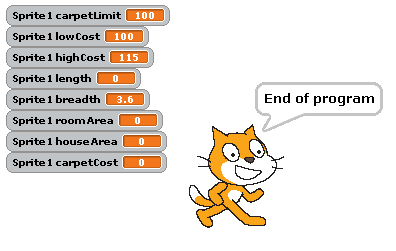
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| length | breadth | roomArea | houseArea | carpetCost |
| 3 | 2 | 6 |  |  |
| 5 | 5 | 25 |  |  |
| 4.8 | 3.6 | 17.28 |  |  |
| 0 |  |  | 48.28 | 5552.20 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| length | breadth | roomArea | houseArea | carpetCost |
| 30 | 2 | 60 |  |  |
| 7 | 5 | 35 |  |  |
| 4.8 | 3.6 | 17.28 |  |  |
| 0 |  |  | 112.28 | 11228.00 |

Version1

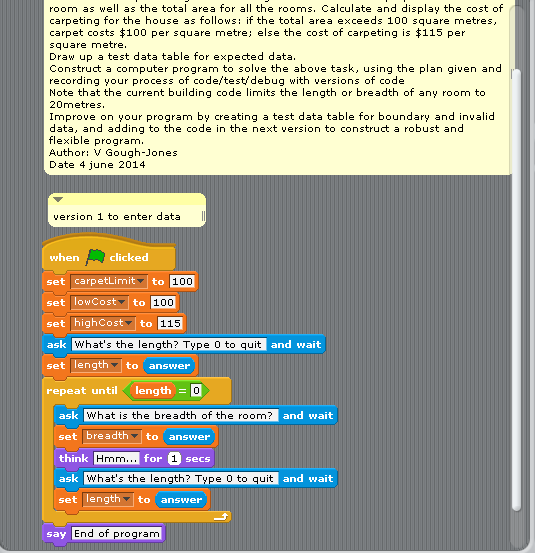


First set of test data is entered and constants are correct

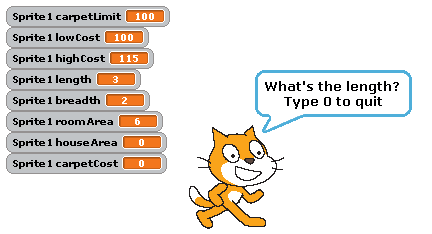


Data is entered successfully and loop stops correctly

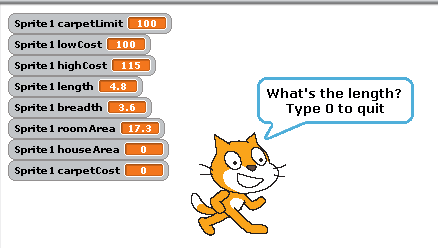
Code for version1



Version 2

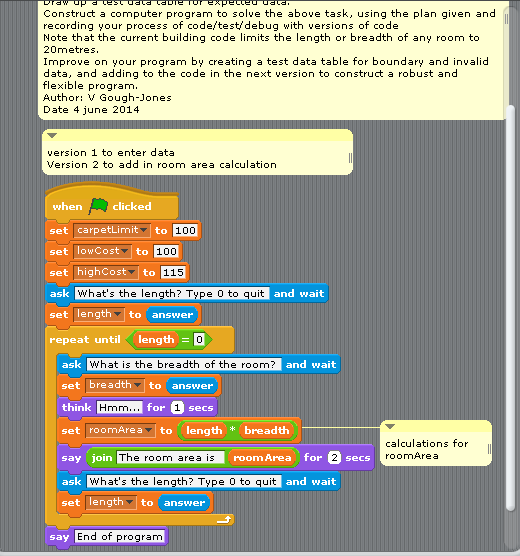


Room area is correct for first set of data



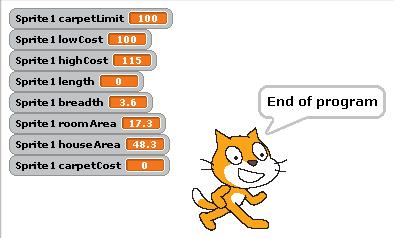
Calculations also correct for float data

Code for version 2

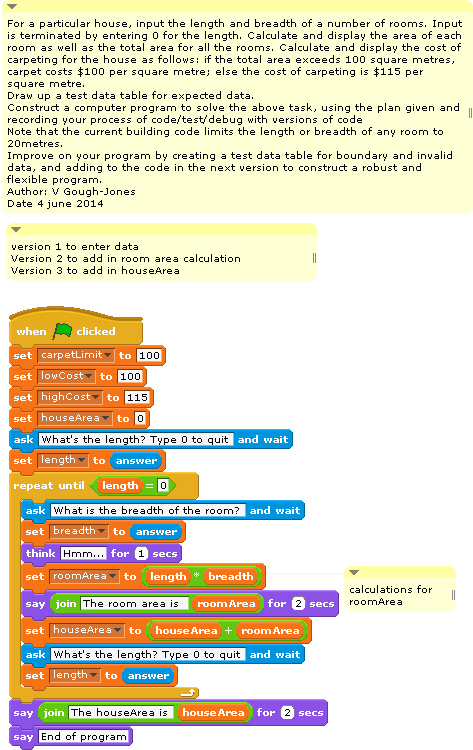


Version 3

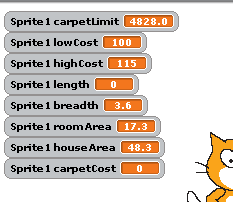
To enter code for the houseArea



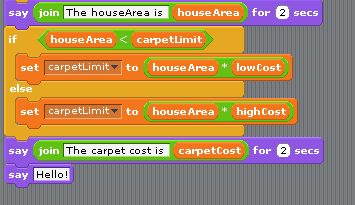
Output for house area with test data is correct



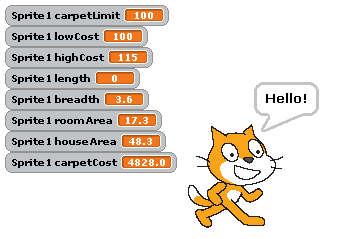
Version 4 - to add in cost of carpet



Wrong output for carpetcost

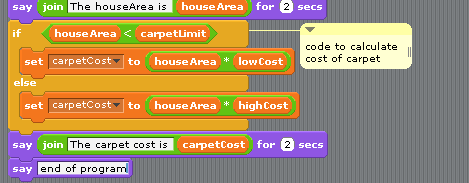


Using wrong variable in If statement

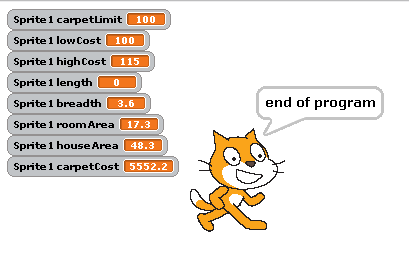


Need to correct final statement as well

Now getting the incorrect value of carpet cost from test data should be 5552.2

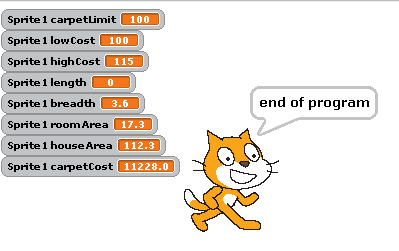


Error is wrong comparison used and so incorrect carpet rate used



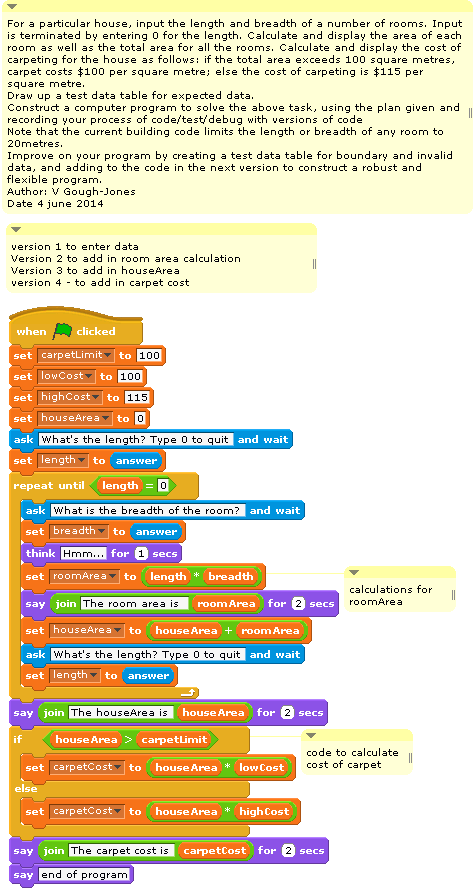
Now getting the correct output for first set of data

Checking with second set of test data



Final output for house area and carpetcost is correct

Code for version 4



Version 5

Adding in code for boundary values and no data entered.

Test data for unexpected input…. See plan v2 for guidance.

***Note in the actual assessment you will have to create your own unexpected test data***