Quest of The Ancient Idol – Team Assignment

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Calculate the volume of room | |  |  |  |  |  |
|  | **Valid** | **Invalid** | **Invalid** | **Invalid** | **Boundary** | **Boundary** | **Boundary** |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| INPUTS |  |  |  |  |  |  |  |
| width | 20 | 24 | 0 | 30 | 1 | 24 | 1 |
| length | 15 | -1 | 24 | 50 | 24 | 1 | 1 |
| height | 10 | 10 | 10 | 9 | 10 | 10 | 10 |
| OUTPUT |  |  |  |  |  |  |  |
| Area | 30 | -24 | 0 | 150 | 2.4 | 2.4 | 0.1 |
|  |  | length is too low | width is too low | width and length are too high, height is too low. |  |  |  |

calcVolumeOfRoomwidth, length, height)

BEGIN

height = 10

if length < 0

return -24 (PRINT: length is too low)

if width <= 0

return 0 (PRINT: width is too low)

if (width >= 30 && length >= 50 && height > 9)

return 150(PRINT: width and length are too high, height is too low)

volume = length \* height \* width

return volume

END

