| Inputs | Actions | Outputs |
| --- | --- | --- |
| Room dimensions | Calculate area | Area |
| Materials used | Cost of materials | materials and cost |
|  | Cost of Installation | installation cost |
|  | Calculate tax | Tax |
|  | Calculate total | Total |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Pseudocode:

Start

Declare length, width, area, materialCost, laborCost, totalCost, floorMaterial

Input length, width, floorMaterial

CASE ENTRY floorMaterial

CASE commercial carpet = materialCost = 1.29 laborCost = 2

CASE quality carpet = materialCost = 3.99 laborCost = 2.25

CASE hardwood floor = materialCost = 3.49 labourCost = 3.25

CASE floating floor = materialCost = 1.99 labourCost = 2.25

CASE ceramic tiles = materialCost = 1.49 labourCost = 3.25

DEFAULT Display “error”

END CASE

area = length x width

materialCost = area x materialCost

labourCost = area x labourCost

totalCost = materialCost + labourCost x 0.15

Display area, material, materialCost, labourCost, “15%”, totalCost

End