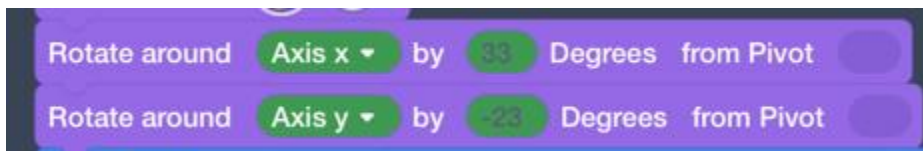


3D printing of Gnome

Goal

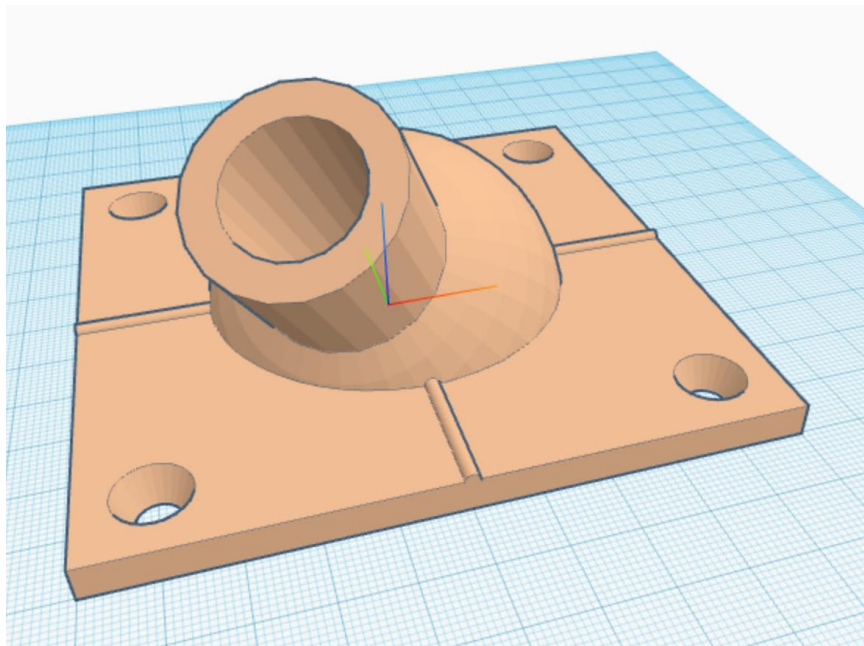
The easiest way to make the gnome is using Tinkercad. This is an easy-to-use 3D design tool : <https://www.tinkercad.com>

The design is made using a script that they call codeblocks. The script is on the next page. You will need to change this for your wall. Then save the file as a .stl and send this to Shapeways to get it printed : <https://www.shapeways.com>







The Tinkercad file is here but you will need an account first to see it: <https://www.tinkercad.com/codeblocks/g9G8Cc04Ute>



The part below will cost you about 70-Euros to get made, plus postage. You could try to minimise the material to reduce cost but for a one-off it probably not worth the effort. The design is done using the Codeblock method in Tinkercad, the script is on the next page.




Create New Object Gnome mount ▾

Add   < Radius 30 Steps 18



Add   < Radius 15 H 100 Sides 20 edge 0 Edge Steps 1



Add   < Radius 10 H 100 Sides 20 edge 0 Edge Steps 1

Create Group 



Rotate around Axis x ▾ by 33 Degrees from Pivot

Rotate around Axis y ▾ by -23 Degrees from Pivot



Add   < W 100 L 100 H 10 edge 0 Edge Steps 10

Add   < Top Radius 10 Bottom Radius 1 H 20 Sides 24



Move: X: -40 Y: -40 Z: 5

Add   < Top Radius 10 Bottom Radius 1 H 20 Sides 24



Move: X: 40 Y: 40 Z: 5

Add   < Top Radius 10 Bottom Radius 1 H 20 Sides 24

Move: X: -40 Y: 40 Z: 5



Add   < Top Radius 10 Bottom Radius 1 H 20 Sides 24

Move: X: 40 Y: -40 Z: 5

Add   < Radius 1 H 100 Sides 20 edge 0 Edge Steps 1



Rotate around Axis x ▾ by 90 Degrees from Pivot

Move: X: 0 Y: 0 Z: 5

Add   < Radius 1 H 100 Sides 20 edge 0 Edge Steps 1

Rotate around Axis y ▾ by 90 Degrees from Pivot

Move: X: 0 Y: 0 Z: 5

Add   < W 100 L 100 H 100 edge 0 Edge Steps 10

Move: X: 0 Y: 0 Z: -50

Create Group 