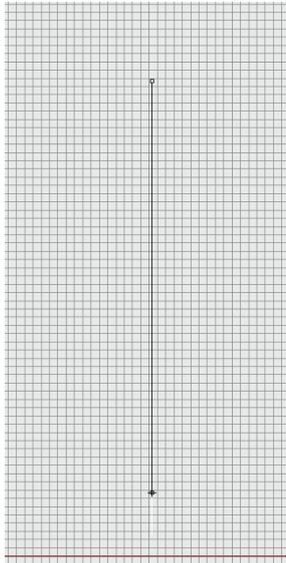
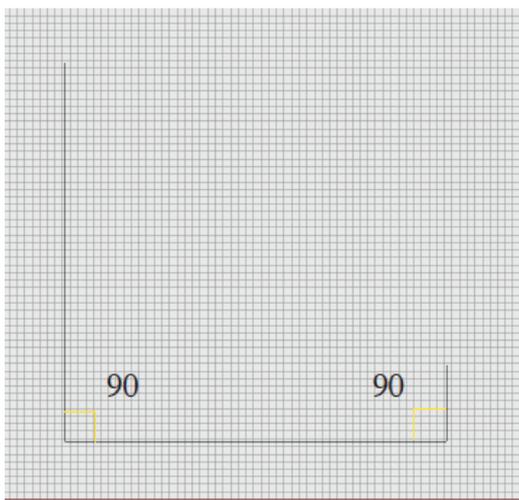


1. Go to the “Top” Viewport (double click on the Viewport name).

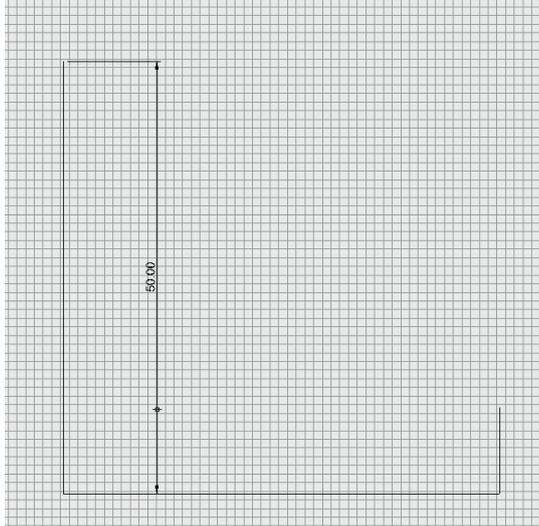
Type Polyline in the command line, press Enter. Start the polyline by clicking the Left Mouse Button. Type 5 in the command line to assign the length of the first segment, press Enter. While drawing the polyline press shift to lock the perpendicular inference. Press LMB to finish the first segment of the polyline.



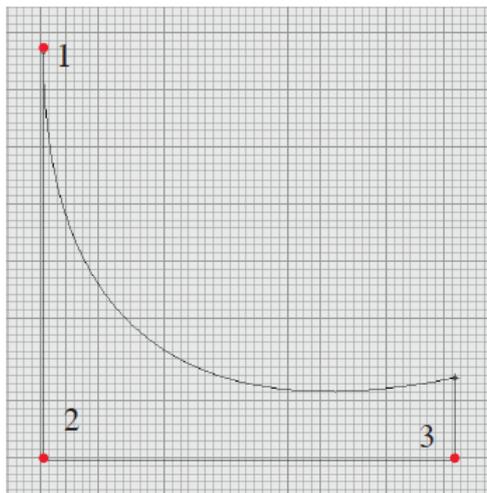
2. Type < 90 in the command line to assign the angle between first and second segments of the polyline, press Enter. Type 5 to assign the length of the second segment, press Enter and LMB to finish the second segment. Do the same for the last small segment (length = 1), press RMB to finish the polyline.



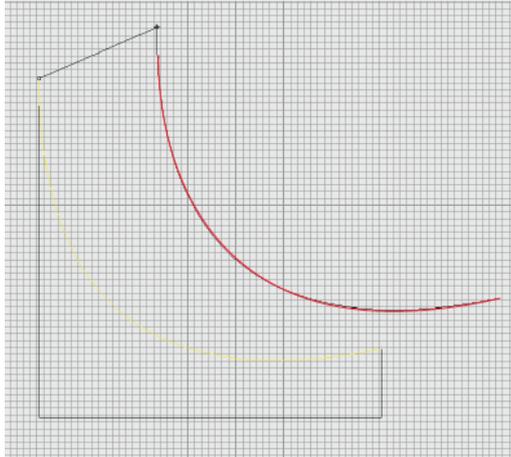
3. Type Dim in the command line, select endpoints of any segment of the polyline to display its dimensions, press Enter to leave the dimensions or Esc to cancel the command. Make sure the Osnap is activated (at the bottom of the Rhino window).



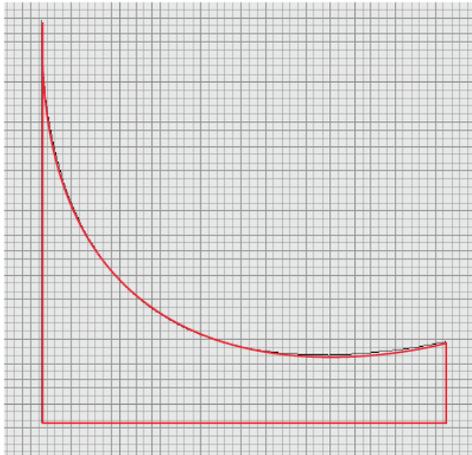
4. Type Curve in the command line, press Enter, make sure Osnap (End) is on, snap the curve to Point 1 of the polyline. In the command line you can see the additional options for the Curve command, change Degree to 2. Click on Points 2 & 3 (LMB), and finish the curve at Point 3 with the right mouse button.



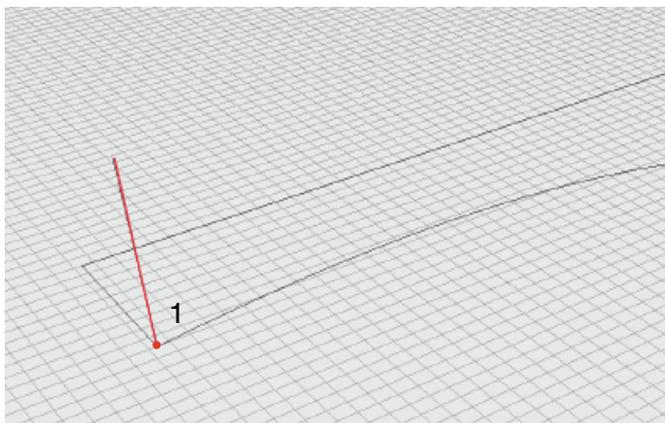
5. Type Copy in the command line, select curve and copy it to the side. Press ESC to finish copy command.



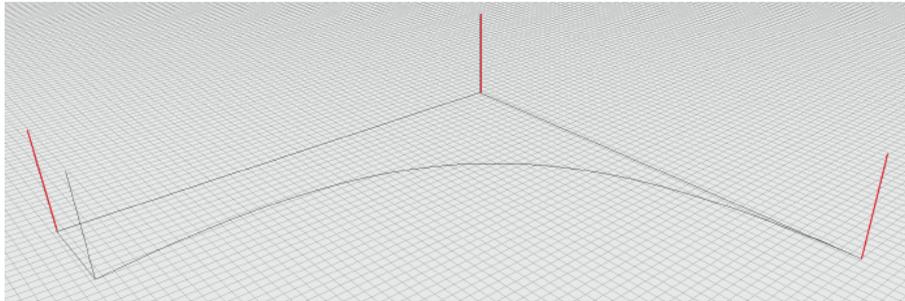
6. Select polyline and the curve and type Join in the command line to join the 2 curves.



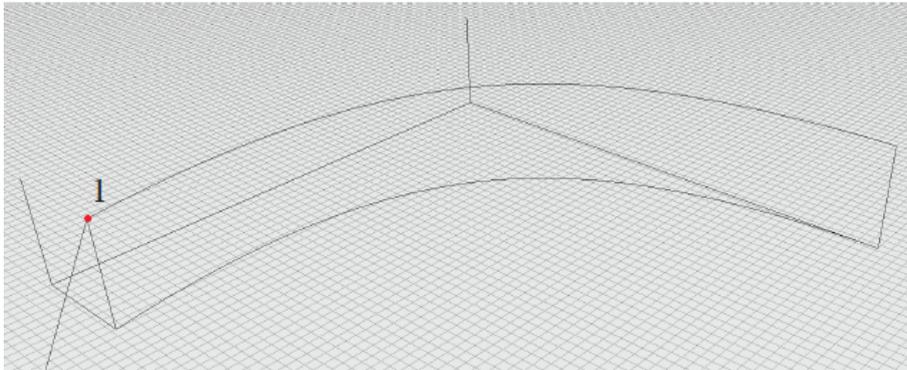
7. Switch to Perspective view (double-click the viewport name). Type Line in the command line, select "Vertical" from the command options, start the line at Point 1, then type 1.5 in the command line to assign the length, finish drawing the line by pressing the left mouse button.



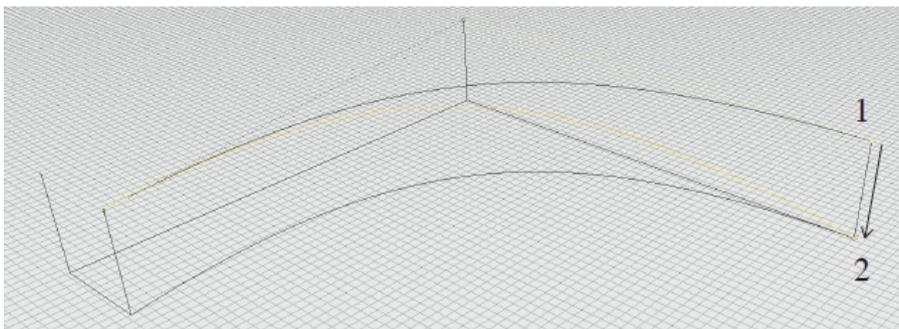
8. Type Copy in the command line, select the line and copy it 3 times. Press ESC to finish the Copy command.



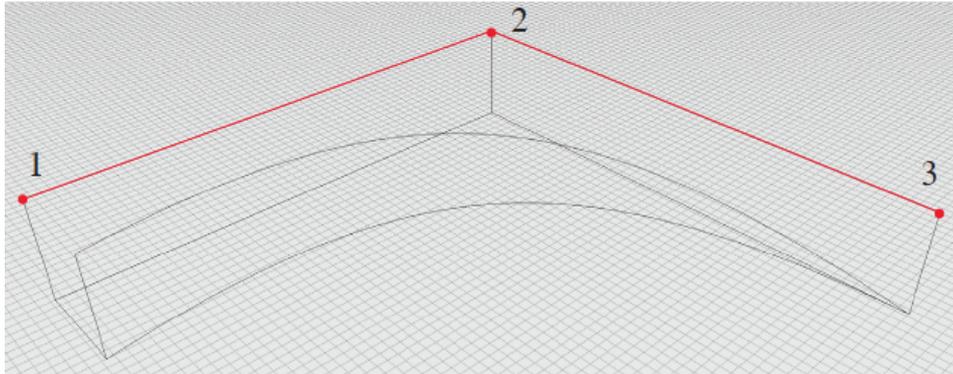
9. Make sure Osnap (End) is on. Type Move in the command line and move the previously created curve to Point 1.



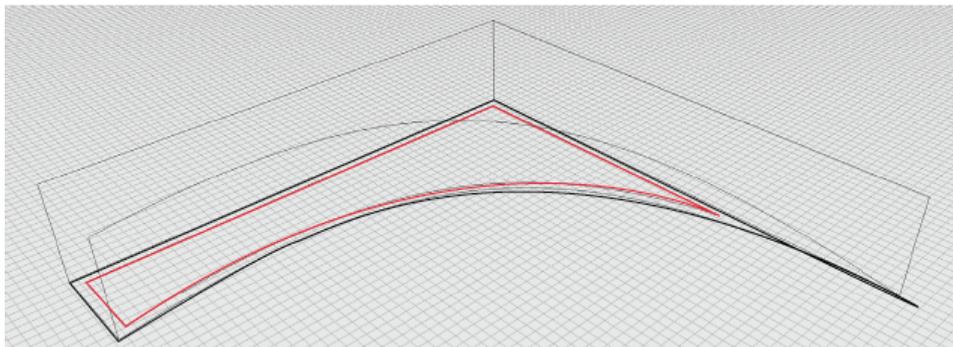
10. Select top curve and type PointsOn in the command line, press Enter or RMB. Type Move in the command line, select Vertical from the command options and drag Point 1 down to Point 2.



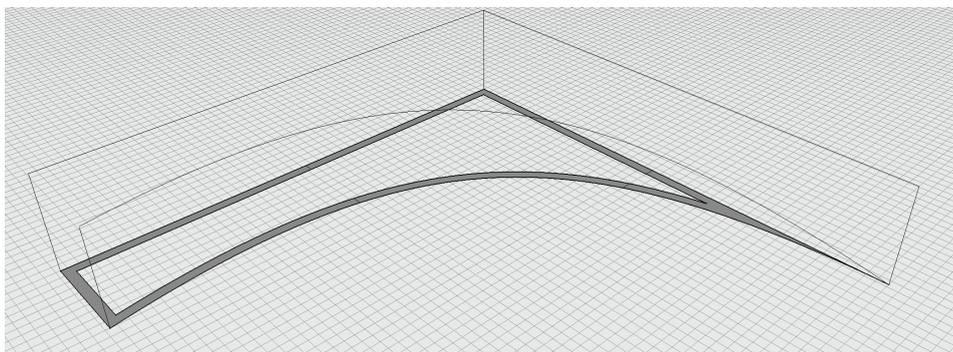
11. Type Polyline in the command line and draw polyline through points 1,2,3. Press RMB (right mouse button) to finish the polyline.



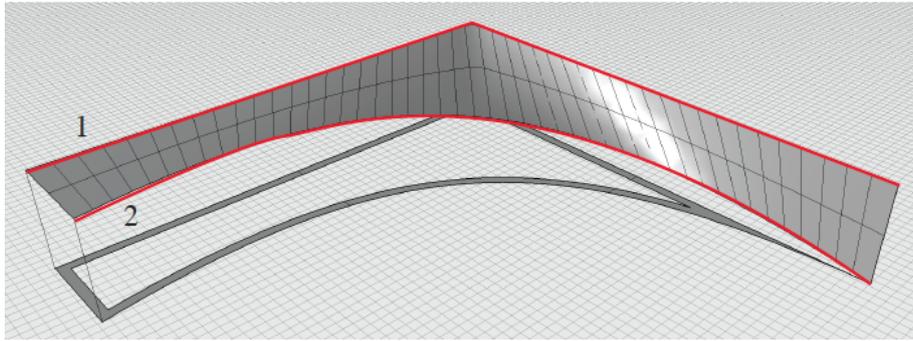
12. Select the joined polyline and type Offset in the command line, type 0.1 for offset distance and offset the curve (inwards!).



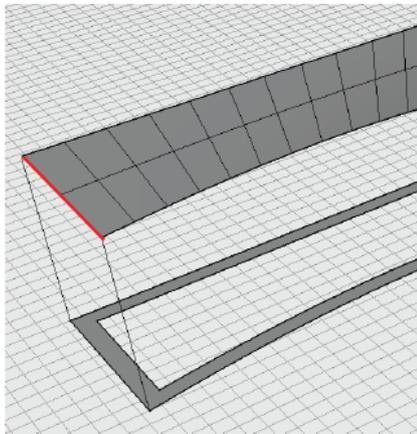
13. Select the bottom polyline and the polyline that we created by offset and type PlanarSrf in the command line to create a surface between the two curves.



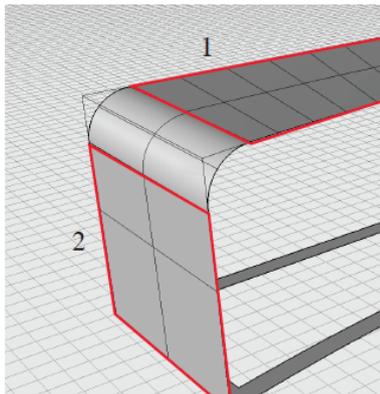
14. Select Curve 1 and Curve 2 and type Loft in the command line to create a surface between the two curves (you can increase the number of control points in the pop-up menu).



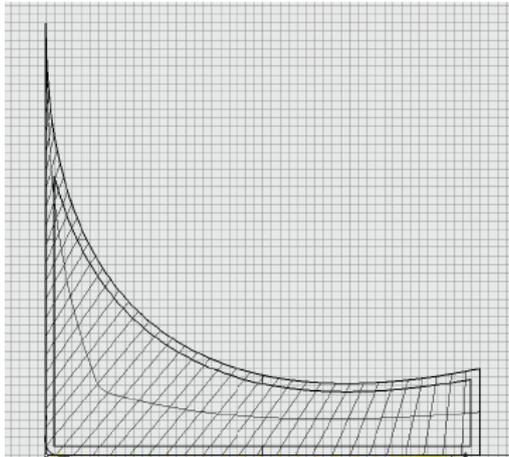
15. Type DupEdge in the command line and select the surface edge, press enter. Select the edge curve and type ExtrudeCrv in the command line, drag down to create a surface.



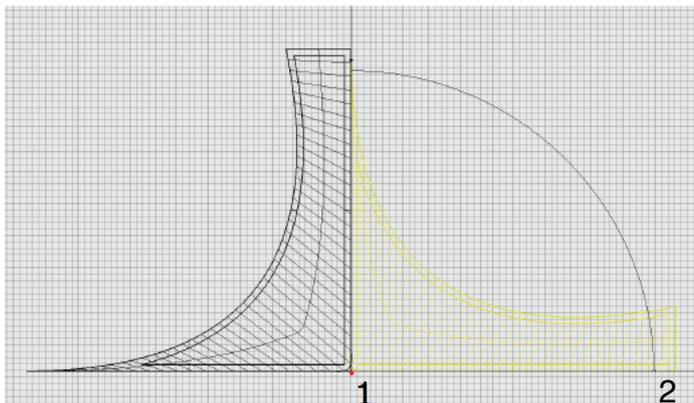
16. In the command line type FilletSrf, in the command options set fillet radius to 0.2 and select Surface 1 and Surface 2 to create a fillet between them.



17. Switch to Top view again. Select all the parts of the model and type Group in the command line. This command will group all the elements of our model.



18. Select the grouped geometry and type Rotate in the command line, in the command options press Copy and select Point 1 & 2 as the rotation axis.



19. Rotate 3 times

