

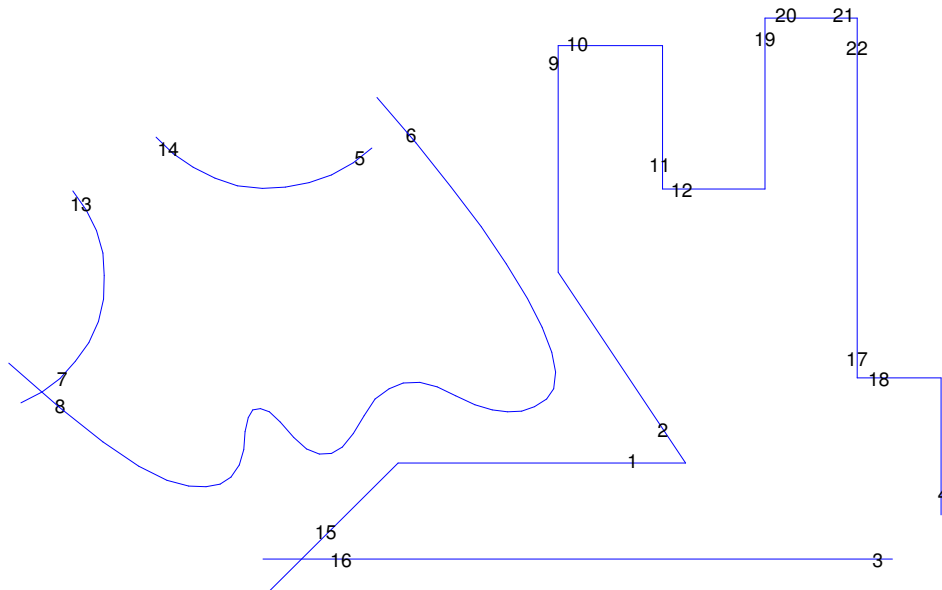
## Editing Entities – Chamfering and Filleting Exercise

In this exercise you will learn how quick and easy it is to **fillet** (round off) or **chamfer** (cut off) corners in a drawing. You don't have to worry about working out how to do it, RealCAD does it for you!

If RealCAD is already running, select **File, Open** on the menu and locate the **Training** folder. Open the file called "**Editing\_Entities\_Chamfering\_and\_Filleting\_Exercise.cad**".

If RealCAD is not running, start it and select **Open Existing Drawing** from the Startup menu. Locate the **Training** folder and open the file called "**Editing\_Entities\_Chamfering\_and\_Filleting\_Exercise.cad**".

The drawing will look as shown below; the same as in the video.



We'll start by filleting (rounding off) some corners.

**Step 1:** Select the **Insert fillet arc** command as shown below...



**Step 2:** Set the fillet radius to **10** in the dialog box that appears. Then click **OK** (or press **Enter** for added speed).

**Step 3:** Click on each of the two lines as indicated by the positions **1** and **2**. **Note:** Be sure you have a diamond cursor when selecting in this exercise.



Repeat for the two lines at positions **3** and **4**.

**Step 4:** Right click once to stop the fillet command.

**Step 5:** Reselect the **Insert fillet arc** command from the icon menu (or just press **Enter** on the keyboard to repeat the last command)

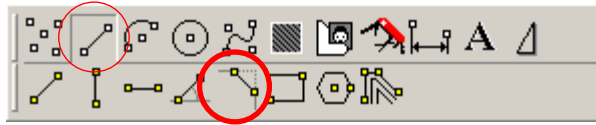
**Step 6:** Set the radius to **20** and click OK.

**Step 7:** Select the lines where indicated at positions **9** and **10**, then **11** and **12**. Select the two arcs where indicated at the numbers **13** and **14**. Then select the curve and arcs at **7** and **8**, then **5** and **6**.

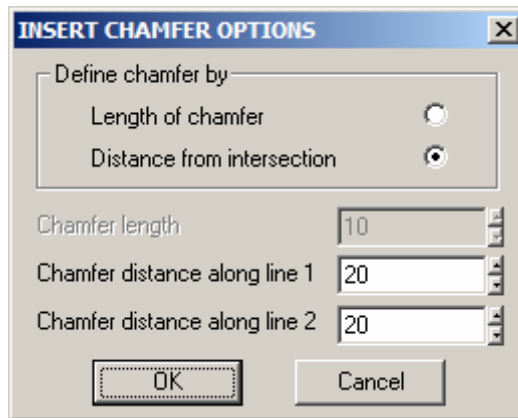
**Step 8:** Right click once to stop the fillet command.

Now to cut-off some corners.

**Step 9:** Select the **Insert chamfer** icon command as shown below



**Step 10:** Set the dialog options to match those shown below and click OK.



**Step 11:** Select the two lines where indicated at positions **15** and **16**.

**Step 12:** Right click once to stop the chamfer command.

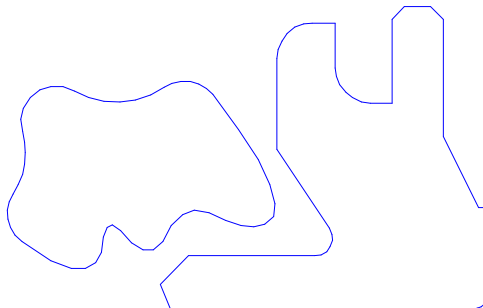
**Step 13:** Reselect the **Insert chamfer** command, only this time change the '**Chamfer distance along line 1**' setting to **40** and click OK.

**Step 14:** Select the two lines where indicated by the numbers **17** and **18**.

**Step 15:** Right click once to stop the chamfer command.

**Step 16:** Select the **Insert chamfer** command again. Select the '**Length of chamfer**' option and set the '**Chamfer length**' to **10**, then click OK.

**Step 17:** Select the two lines where indicated at the positions **19** and **20**, then **21** and **22**.....



How easy is that! ☺☺☺