

Create and manipulate stars

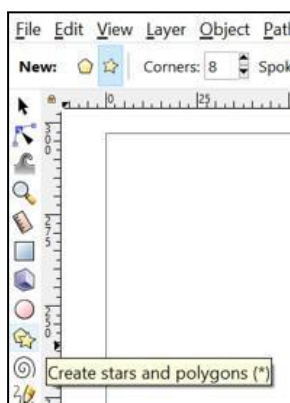
These instructions will guide you through creating and manipulating shapes in Inkscape, including altering the fill, stroke, and any shape-specific attributes.

The latest version of Inkscape was used at the time of creating this resource (Inkscape 0.92). Note that there may be differences between versions.

Task Create a star

Steps

1. **Drag** a star shape onto the canvas.



Instructions

Select the star/polygon tool from the toolbar on the left side of the screen (the star/polygon icon).

Select the star icon at the top of the screen. The shape-specific attributes for stars will appear.

Click and hold the left mouse button on the canvas.

Drag the mouse to draw a star to the required size.

Release the left mouse button to finish drawing your star.

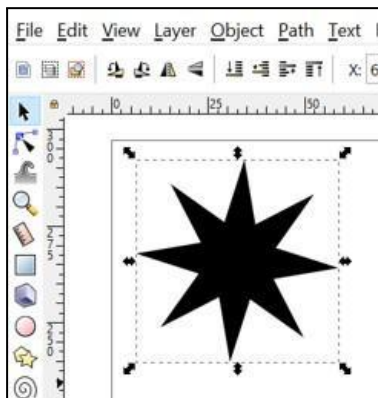
Task Alter the fill of a star

Steps

Instructions

1. **Select** the star you wish to alter.

Select the selection tool from the toolbar on the left side of the screen (the black arrow icon).

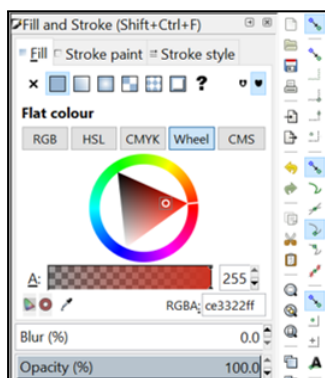


Click on the required star to select it.

Black double-ended arrows will appear around the selected star.

2. **Select** the required fill colour.

Click on the fill tab from the fill and stroke window on the right side of the screen.



Choose a paint type by clicking on one of the options shown as squares. Options include: No paint, Flat color, Linear gradient, Radial gradient, Pattern, Unset paint. Use flat colour for now.

Below the text that reads 'flat colour', select the wheel option.

Select a colour from the outer wheel.

Select the required tone from the centre triangle.



Tip:

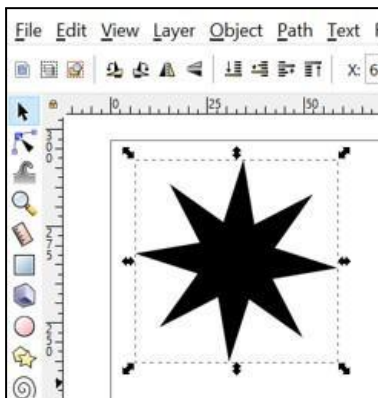
You can also choose a fill colour for a selected shape using the bar at the bottom of the page.

Task Alter the stroke of a star

Steps

Instructions

1. **Select** the star you wish to alter.

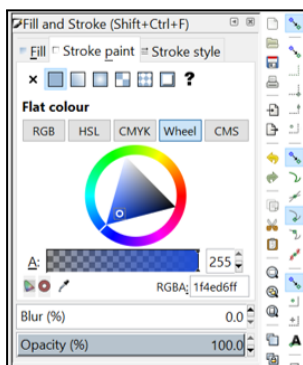


Select the selection tool from the toolbar on the left side of the screen (the black arrow icon).

Click on the required star to select it.

Black double-ended arrows will appear around the selected star.

2. **Select** the required stroke colour.



Click on the stroke paint tab from the fill and stroke window on the right side of the screen.

Choose a paint type by clicking on one of the options shown as squares. Options include: No paint, Flat color, Linear gradient, Radial gradient, Pattern, Unset paint. Use flat colour for now.

Below the text that reads 'flat colour', select the wheel option.

Select a colour from the outer wheel.

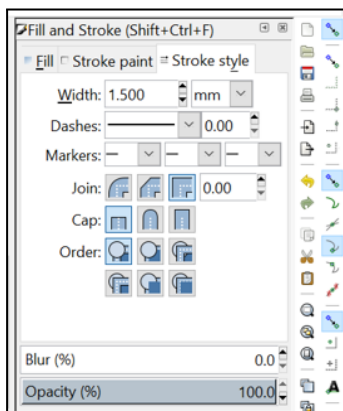
Select the required tone from the centre triangle.

Tip:

You can also choose a stroke colour for a selected shape using the bar at the bottom of the page, once a paint type has been selected.



3. **Select** the required stroke style.



Click on the stroke style tab from the fill and stroke window on the right side of the screen.

Change the width to the required size.

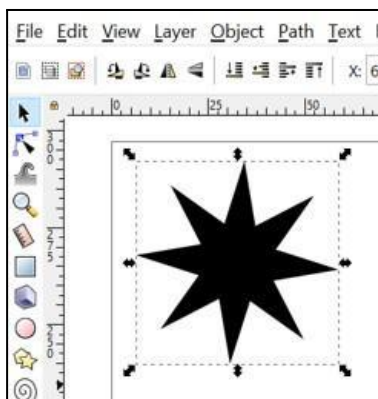
Select a suitable dash pattern.

Task Alter the height and width of a star

Steps

Instructions

1. **Select** the star you wish to alter.

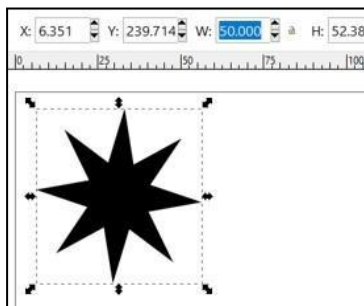


Select the selection tool from the toolbar on the left side of the screen (the black arrow icon).

Click on the required star to select it.

Black double-ended arrows will appear around the selected star.

2. **Alter** the height and width of a star.



There are two ways to alter the height and width of a star.

Method 1:

Click and drag any one of the double arrows around the outside of the star. These double arrows alter the **W**: (width) and **H**: (height) of the star.

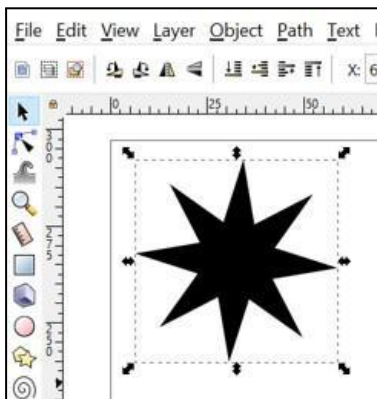
Method 2:

To alter the height and width more accurately, change the **W**: (width) and **H**: (height) dimensions at the top of the screen by using the up and down arrows or entering the required height and width.

Task Alter the number of corners of a star

Steps

1. **Select** the star you wish to alter.



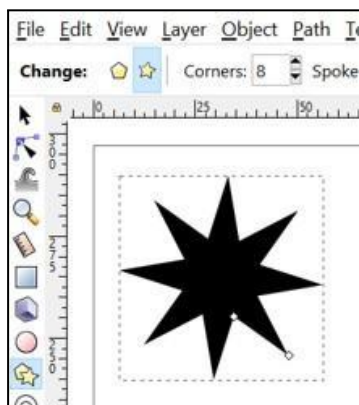
Instructions

Select the selection tool from the toolbar on the left side of the screen (the black arrow icon).

Click on the required star to select it.

Black double-ended arrows will appear around the selected star.

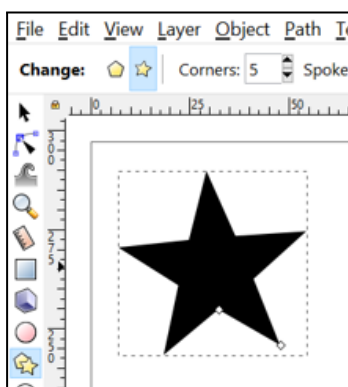
2. **Select** the star/polygon tool.



Select the star/polygon tool from the toolbar on the left side of the screen (the star/polygon icon).

Two white nodes will appear, one at the base and one at the tip of a point.

3. **Change** the number of corners of a star.

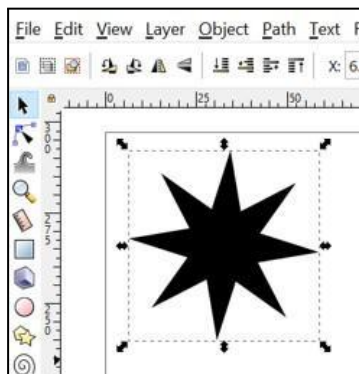


To alter the number of corners of a star change the **Corners:** value at the top of the screen by using the up and down arrows or entering the required number of corners.

Task Alter the length and width of corners of a star

Steps

1. **Select** the star you wish to alter.



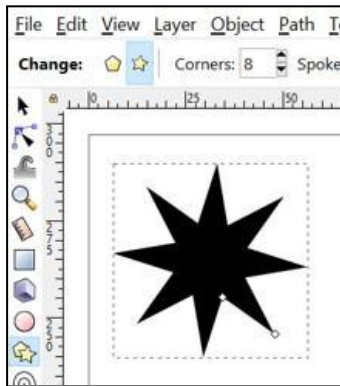
Instructions

Select the selection tool from the toolbar on the left side of the screen (the black arrow icon).

Click on the required star to select it.

Black double-ended arrows will appear around the selected star.

2. **Select** the star tool.

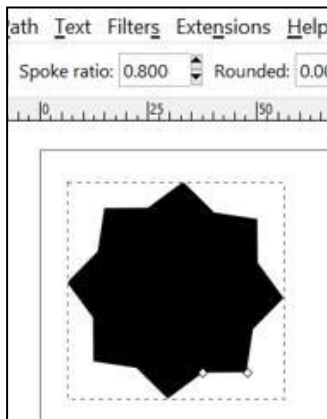


Select the star/polygon tool from the toolbar on the left side of the screen (the star/polygon icon).

Two white nodes will appear, one at the base and one at the tip of a point.

These nodes represent the base radius to tip radius ratio (**Spoke ratio:**).

3. **Change** the length and width of corners of a star.



There are two ways to alter the length and width of corners of a star.

Method 1:

Click and drag either of the nodes at the base or tip of a corner of the star. These nodes alter the **Spoke ratio:** (base radius to tip radius ratio) of the star.

Method 2:

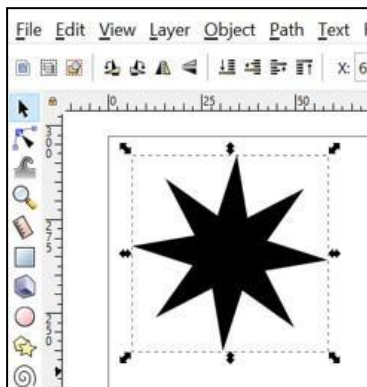
To alter the nodes at the base or tip more accurately, change the **Spoke ratio:** (base radius to tip radius ratio) value at the top of the screen by using the up and down arrows or entering the required spoke ratio.

Task Alter the sharpness of a star's corners

Steps

Instructions

1. **Select** the star you wish to alter.

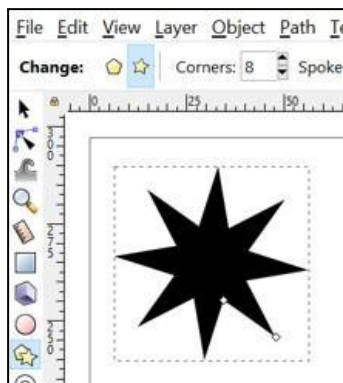


Select the selection tool from the toolbar on the left side of the screen (the black arrow icon).

Click on the required star to select it.

Black double-ended arrows will appear around the selected star.

2. **Select** the star tool.

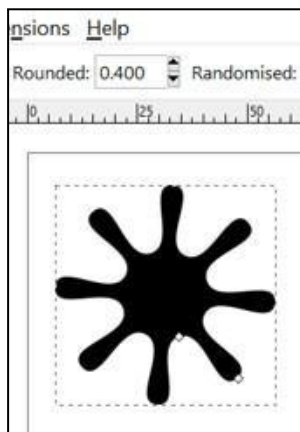


Select the star/polygon tool from the toolbar on the left side of the screen (the star/polygon icon).

Two white nodes will appear, one at the base and one at the tip of a point.

These nodes represent the base radius to tip radius ratio (**Spoke ratio**).

3. **Change** the sharpness of a star's corners.



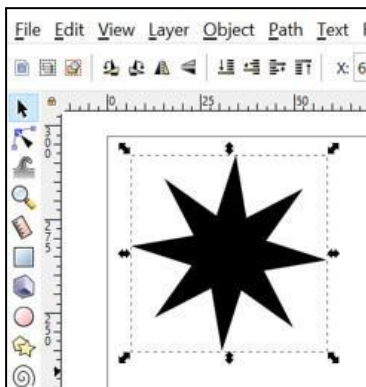
To alter the sharpness of the star's corners, change the **Rounded**: (how rounded the corners are) value at the top of the screen by using the up and down arrows or entering the required rounded value (0 for sharp).

Task Randomly scatter the corners and angles of a star

Steps

Instructions

1. **Select** the star you wish to alter.

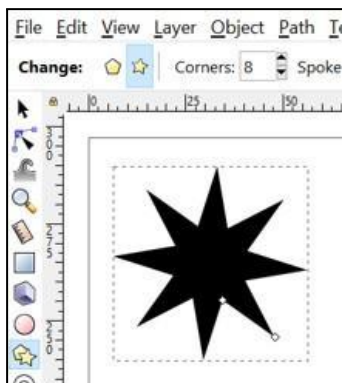


Select the selection tool from the toolbar on the left side of the screen (the black arrow icon).

Click on the required star to select it.

Black double-ended arrows will appear around the selected star.

2. **Select** the star tool.

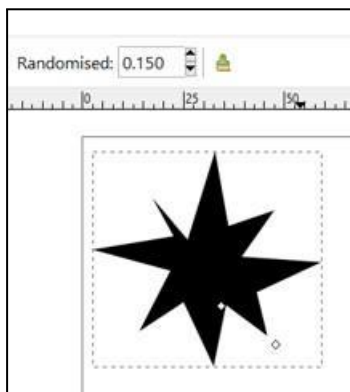


Select the star/polygon tool from the toolbar on the left side of the screen (the star/polygon icon).

Two white nodes will appear, one at the base and one at the tip of a point.

These nodes represent the base radius to tip radius ratio (**Spoke ratio**).

3. Randomly **scatter** the corners and angles of a star.



To randomly scatter the corners and angles of a star, change the **Randomised**: (randomly scatter the corners and angles) value at the top of the screen by using the up and down arrows or entering the required randomised value.

Task Create a black star with five points and a yellow stroke

Paste your work here:

Explorer task Create an orange star with seven rounded corners and a 2mm dashed red stroke

Paste your work here:

This resource is available online at ncce.io/med2-1-a7-w. Resources are updated regularly — please check that you are using the latest version.

This resource is licensed under the Open Government Licence, version 3. For more information on this licence, see ncce.io/ogl.