# Interactive Drawing Tool

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## Description

The Interactive Drawing tool uses a grid to create the pixelated drawing path for the user. The code has basic colours to choose from and the ability to erase or whiten one of the rectangles or grid creating an enjoyable experience. Images used as icons also in a pixelated design. Simple and easy to use your chose a colour and click on the mouse to fill in a square on your choosing.

Github Link: <a href="https://github.com/s3657188/Pixel-Create/tree/master/colourchangingfill">https://github.com/s3657188/Pixel-Create/tree/master/colourchangingfill</a> pde

## Flow Diagram

#### Start

Declare integers Booleans

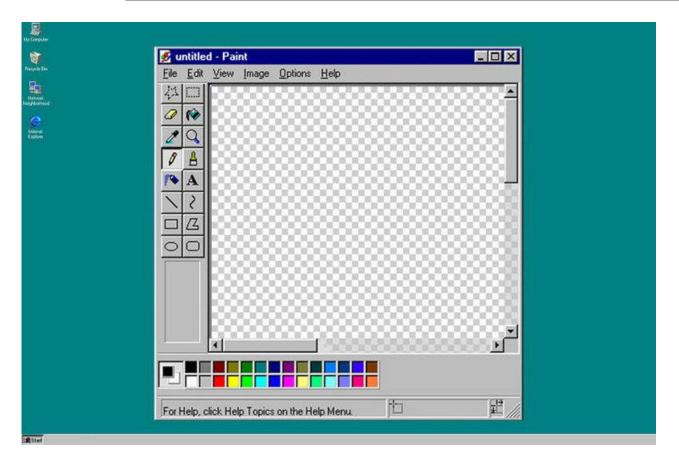
#### **Loop begin**

Read setup

Splash screen = true (load splash screen "title") Wait 3 seconds splash screen = false Add/display grid / rects all white (255) Add/display buttons / images If mouse pressed True False **Button** Button1 Button2 Button3 Button4 **Button 5** Change current colour Change stroke size on grid to make disappear. If "right" mouse clicked If else "right" mouse clicked change rect in coordinate to change rect in coordinate to mouse to current color mouse to white. clicked.



# Influences





### References

https://processing.org/reference/

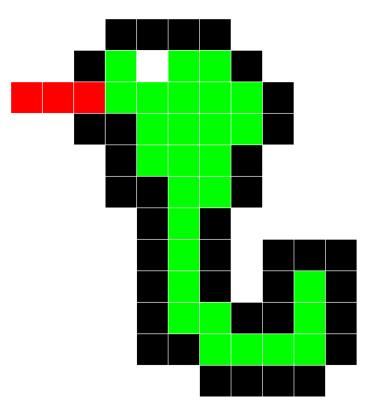
https://www.youtube.com/channel/UCvjgXvBlbQiydffZU7m1 aw

https://forum.processing.org/one/topic/fill-in-the-grid-with-colors.html

https://forum.processing.org

### Reflection

I thoroughly enjoyed this project despite having some problems here and there. I wasn't confident with processing and coding at the start of this project I knew what I wanted to do and I knew how it would be done although I couldn't get it into code. But towards the end I learnt a lot and I'm more confident with coding and processing. I would have also liked to add a option to change the rect or grid size to give the option to change the detail of drawing.



Made with my code in no time at all.