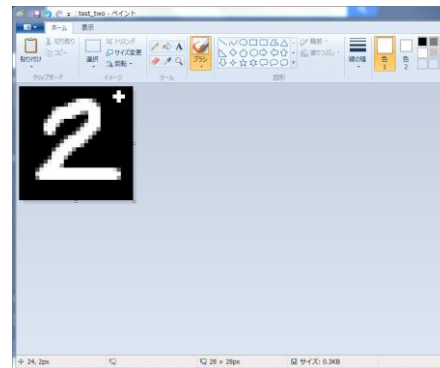# Exercise 12.1 (Make the model recognize your handwritten digit)

- Make two hand-written images; one can be recognized correctly by your trained model, and another is which cannot be recognized correctly.

    - You can make handwritten digit images in paint tool.
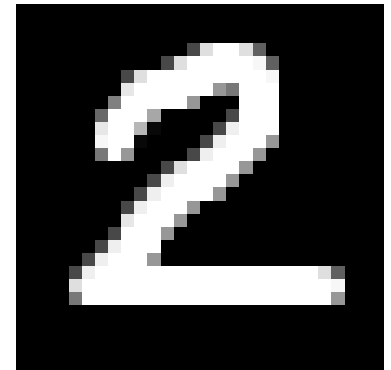   - Load your image and try your SVM model.

Black background and white foreground **in "png" format**

28 pixels

For assignment, please **attach your two images** in addition to script and PDF.

28 pixels

Hint：How to test your png file on your trained model

```
>> sample = imread('a_number_I_wrote.png');
>> sample = mean(sample,3);   Convert your image into grayscale if it is a color image
              True label
>> predict([2], sparse(reshape(sample',1,28*28)), model)
Accuracy = 100% (1/1)
ans =   2     Predicted label; this is correct!
```

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