

Identicon

An **Identicon** is a visual representation of a hash value, that serves to identify a user of a computer system as a form of **avatar** while protecting the users' privacy.

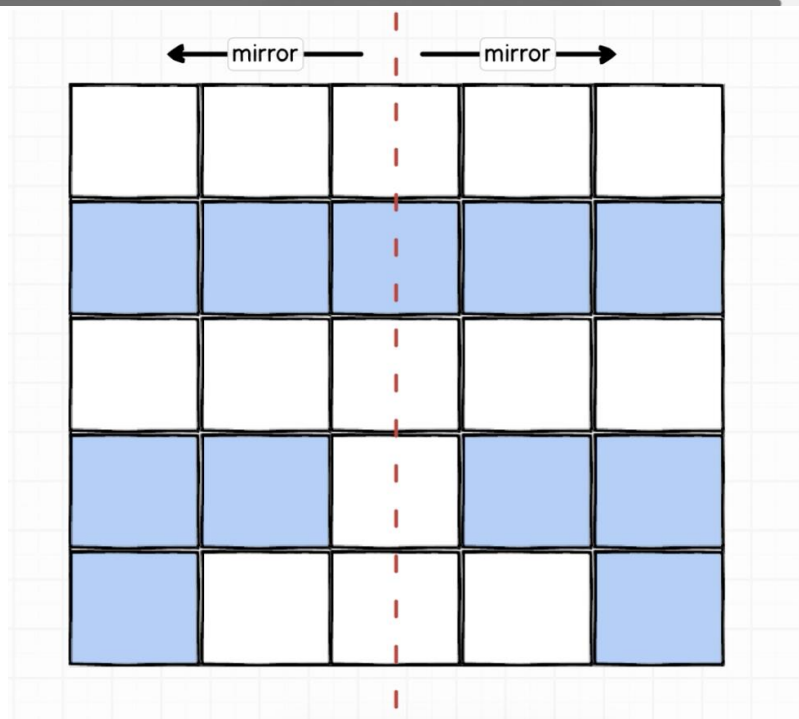
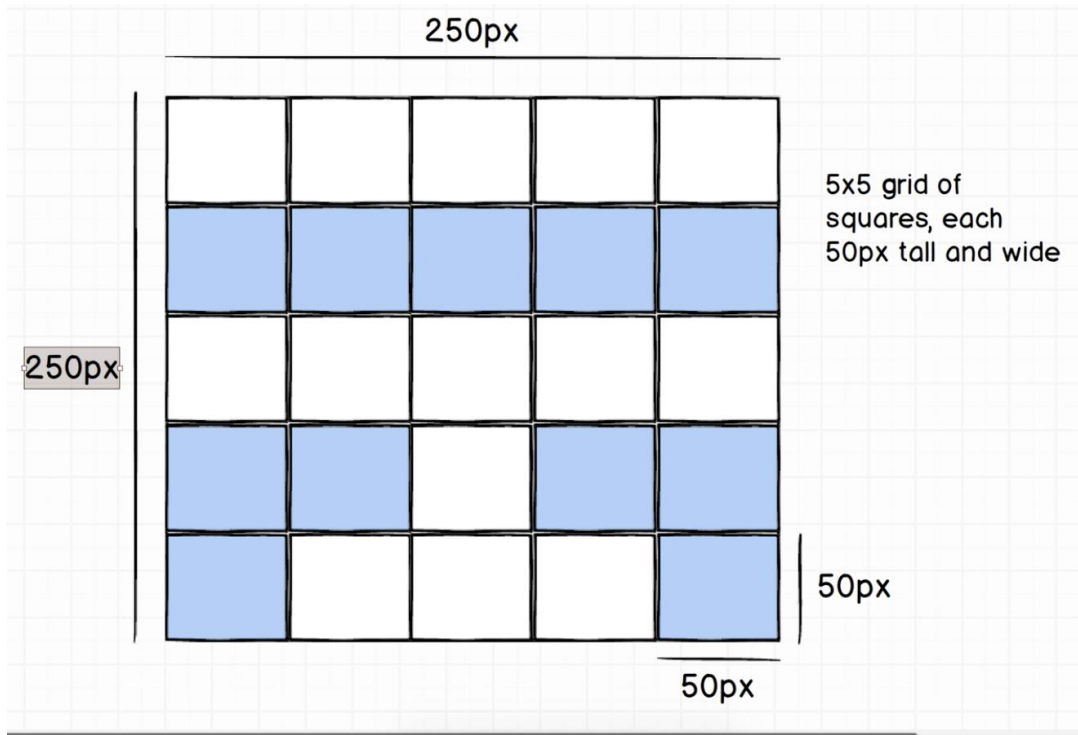
Read more: <https://en.wikipedia.org/wiki/Identicon>

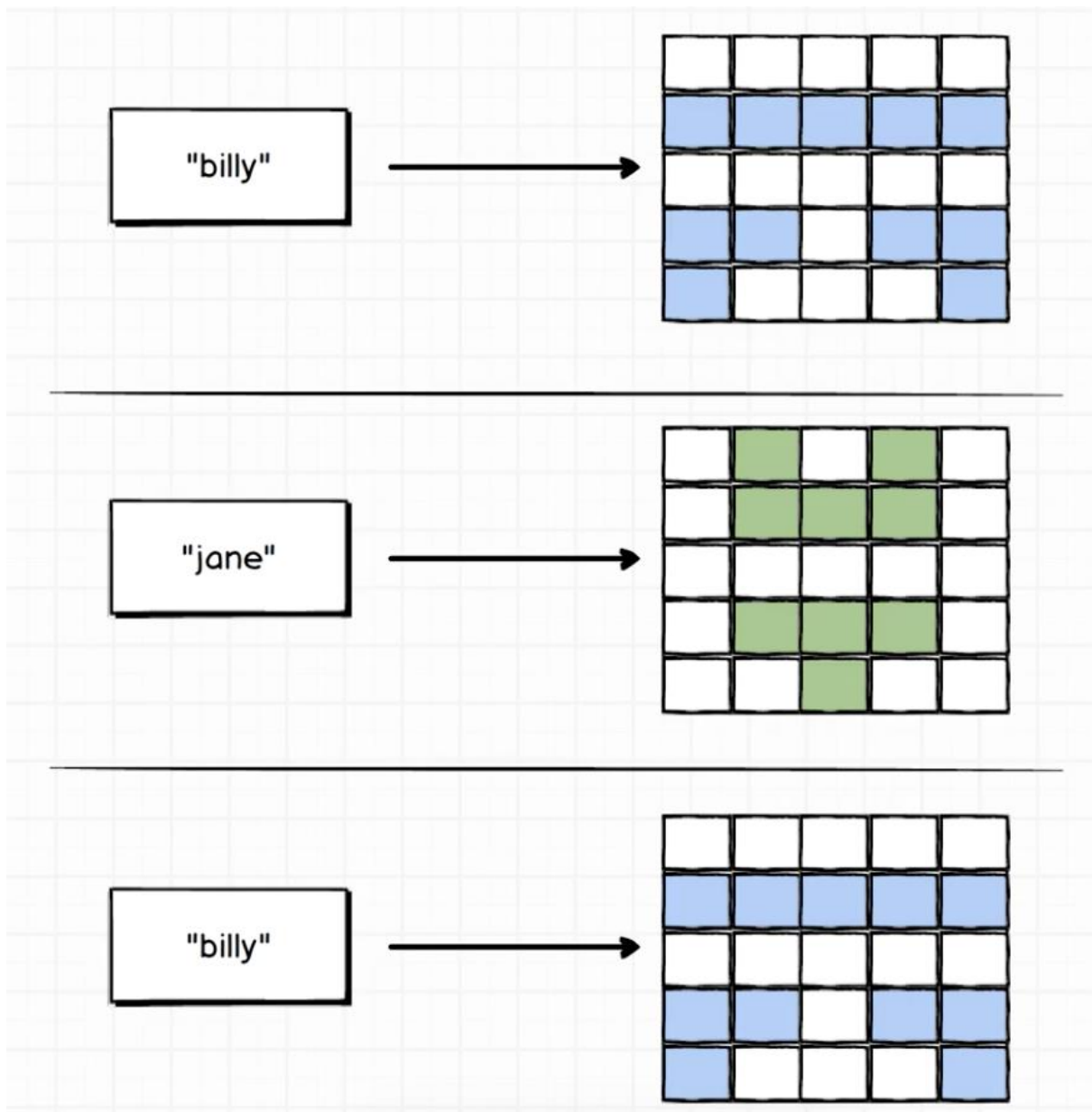
Source code on Github <https://github.com/fadiquader/identicon-nodejs>

Example:

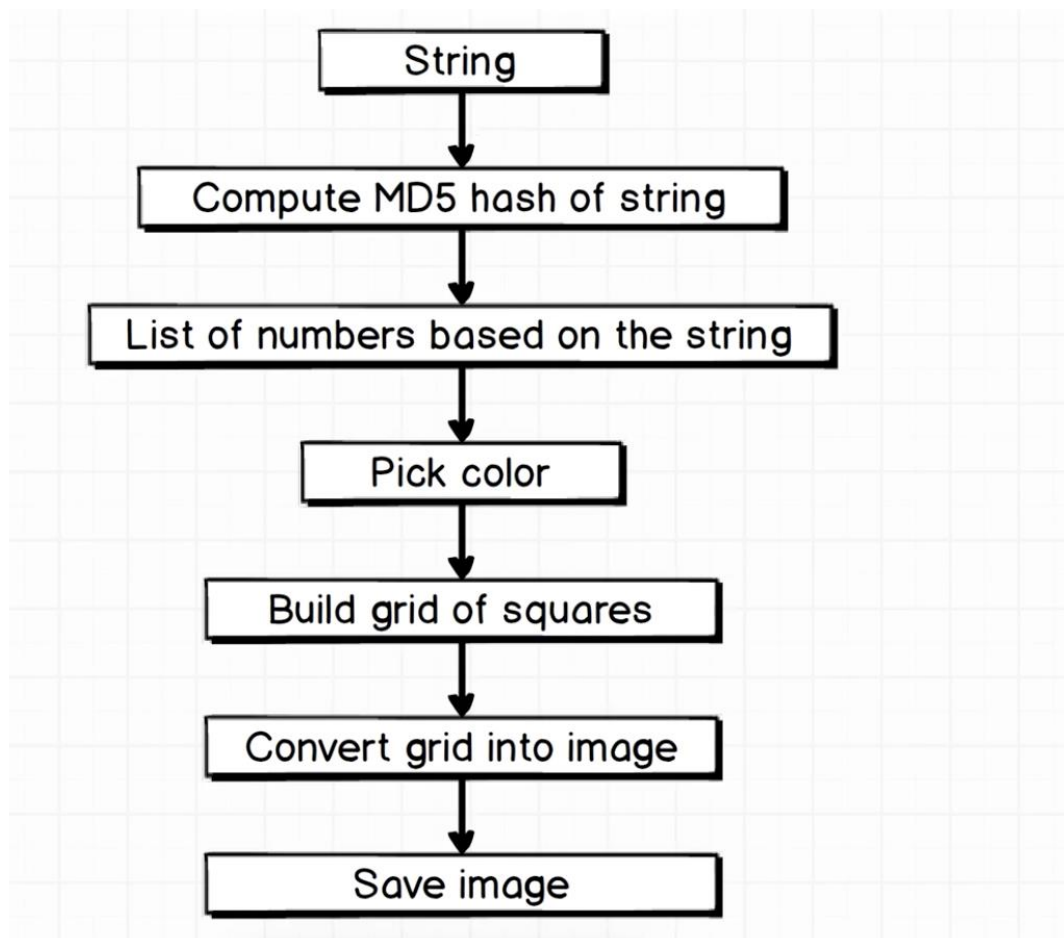
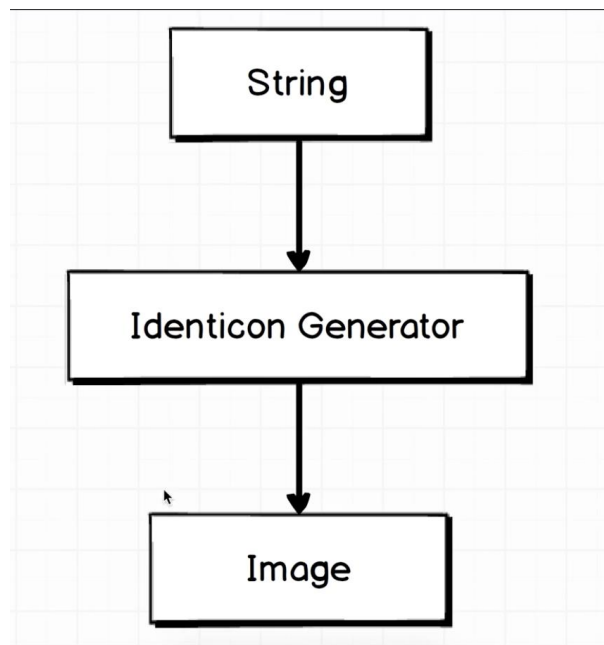
Github uses Identicon <https://github.com/programmer12>







Process



The MD5 message-digest algorithm is a widely used hash function producing a 128-bit hash value.

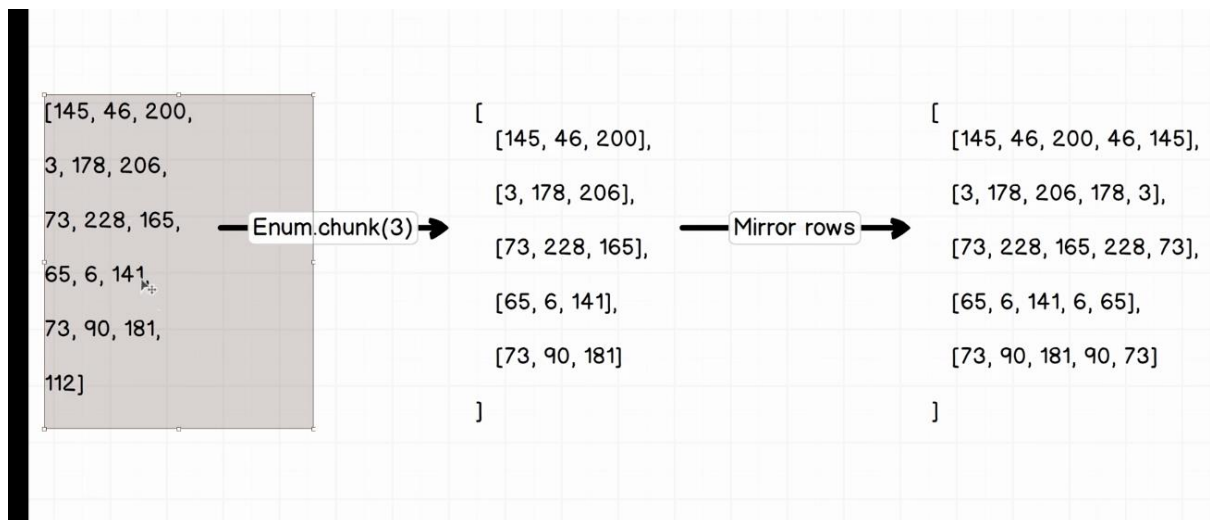
[145, 46, 200, 3, 178, 206, 73, 228, 165, 65, 6, 141, 73, 90, 181, 112]

First 3 values
form RGB

1	2	3	2	1
4	5	6	5	4
7	8	9	8	7
10	11	12	11	10
13	14	15	14	13

[145, 46, 200,	1 145	2 46	3 200	2 46	1 145
3, 178, 206,	4 3	5 178	6 206	5 178	4 3
73, 228, 165,	7 73	8 228	9 165	8 228	7 73
65, 6, 141,	10 65	11 6	12 141	11 6	10 65
73, 90, 181,	13 73	14 90	15 181	14 90	13 73
112]					

Chunk & mirror row



[145, 46, 200,	1 145	2 46	3 200	2 46	1 145
3, 178, 206,	4 3	5 178	6 206	5 178	4 3
73, 228, 165,	7 73	8 228	9 165	8 228	7 73
65, 6, 141,	10 65	11 6	12 141	11 6	10 65
73, 90, 181,	13 73	14 90	15 181	14 90	13 73
112]					

Draw rectangle

[GM library](#) for image manipulation

