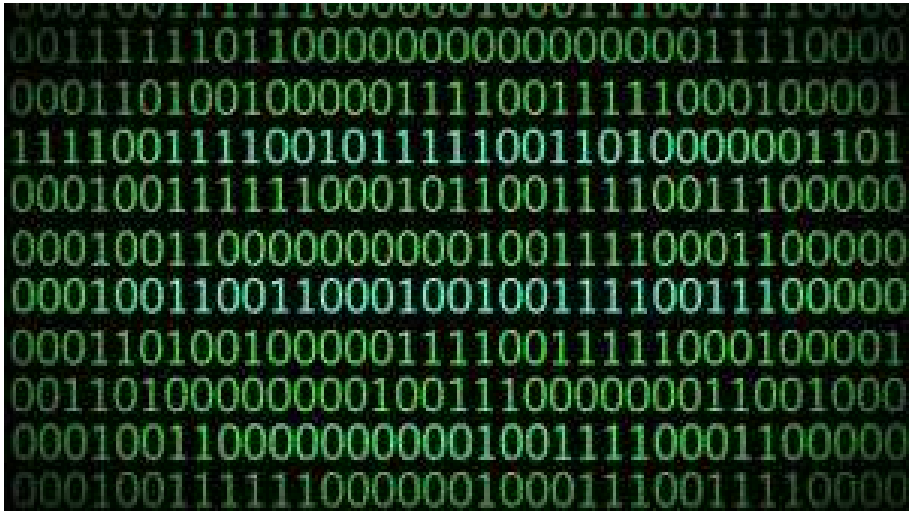
Binary

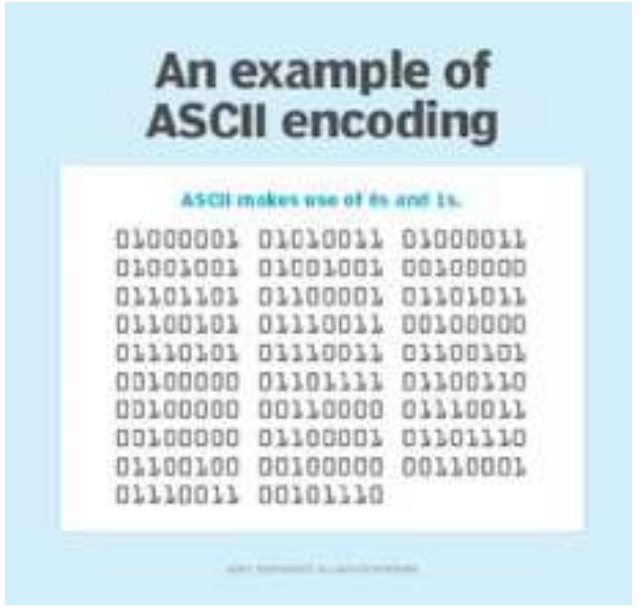
Binary

Binary describes a numbering scheme in which there are only two possible values for digit 0 and 1



Computer using Binary

Computers can represent numbers using binary code in the form of digital 1s and 0s in the cpu



Binary equation

The equation

128	64	32	16	8	4	2	1
0	1	0	0	0	1	1	0

1000110B
= 64 + 4 + 2 = 70

Binary table

The Binary table

Decimal	Binary
0	0
1	1
2	10
3	11
4	100
5	101
6	110
7	111
8	1000
9	1001

Decimal	Binary
10	1010
11	1011
12	1100
13	1101
14	1110
15	1111
16	10000
17	10001
18	10010
19	10011

Resources

1.https://en.wikipedia.org/wiki/Binary

2.https://www.google.com/imgres?q=binary&imgurl=https%3A%2F%2Fcdn.ttgtmedia.com%2Frms%2Fonlineimages%2Fns-encoding_decoding_ascii-h_half_column_mobile.png&imgrefurl=https%3A%2F%2Fwww.techtarget.com%2Fwhatis%2Fdefinition%2Fbinary&docid=mMPvGma5JvE2kM&tbnid=uObaWf4bu4wmKM&vet=12ahUKEwiqv5H-wqiHAxV0TEEAHTLMCAQQM3oECFkQAA..i&w=279&h=269&hcb=2&ved=2ahUKEwiqv5H-wqiHAxV0TEEAHTLMCAQQM3oECFkQAA

3.https://www.google.com/imgres?q=binary&imgurl=https%3A%2F%2Fi0.wp.com%2Fblog.doublehelix.csiro.au%2Fwp-content%2Fuploads%2F2014%2F01%2Fbinary1.jpg%3Fssl%3D1&imgrefurl=https%3A%2F%2Fblog.doublehelix.csiro.au%2Fbinary-for-beginners%2F&docid=EnYAk0C-L7d87M&tbnid=rUEixZJABzMb9M&vet=12ahUKEwiqv5H-wqiHAxV0TEEAHTLMCAQQM3oECFcQAA..i&w=300&h=172&hcb=2&ved=2ahUKEwiqv5H-wqiHAxV0TEEAHTLMCAQQM3oECFcQAA

4.https://www.google.com/imgres?q=binary&imgurl=https%3A%2F%2Farejei.com%2Fcdn%2Fshop%2Ffiles%2Fcounting-in-binary_1600x.jpg%3Fv%3D1636871725&imgrefurl=https%3A%2F%2Farejei.com%2Fpages%2Fwhat-is-binary&docid=UfHXf84UIMxpVM&tbnid=8pGY3wjjnGv_xM&vet=12ahUKEwiqv5H-wqiHAxV0TEEAHTLMCAQQM3oECBwQAA..i&w=650&h=422&hcb=2&ved=2ahUKEwiqv5H-wqiHAxV0TEEAHTLMCAQQM3oECBwQAA

5.https://www.google.com/imgres?q=binary&imgurl=https%3A%2F%2Fmathematicalmysteries.org%2Fwp-content%2Fuploads%2F2022%2F08%2Fbinary-number-system.png%3Fw%3D1400&imgrefurl=https%3A%2F%2Fmathematicalmysteries.org%2Fbinary-number-system%2F&docid=j8KVgaK5C2WynM&tbnid=S3h5gox1DYuyBM&vet=12ahUKEwiqv5H-wqiHAxV0TEEAHTLMCAQQM3oECGcQAA..i&w=1400&h=787&hcb=2&ved=2ahUKEwiqv5H-wqiHAxV0TEEAHTLMCAQQM3oECGcQAA