

Binary	Base 2	Digits 0, 1
Hexadecimal	16	
Decimal	10	0 ... 9
Octal	8	0 ... 7

Binary	0	0	0
Decimal	1	1	1
Hexadecimal		2	2
Binary		3	3
Decimal		4	4
Hexadecimal			:
Binary		8	8
Decimal		9	9
Hexadecimal		10	10
Binary			4
Decimal			10
Hexadecimal			B
Binary			C
Decimal			12
Hexadecimal			D
Binary			13
Decimal			E
Hexadecimal			14
Binary			F
Decimal			15

A E F F C A D E

192.168.0.2

192 = 0 1 1 0 0 0 0 0 0  
 168 = 0 1 0 1 0 1 0 0 0  
 0 0 0 0 0 0 1 0

$\begin{array}{c} 2^8 \\ 2^7 \\ 2^6 \\ 2^5 \\ 2^4 \\ 2^3 \\ 2^2 \\ 2^1 \\ 2^0 \end{array}$   
 256 | 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1  
 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0

$\begin{array}{c} 10^8 \\ 10^7 \\ 10^6 \\ 10^5 \\ 10^4 \\ 10^3 \\ 10^2 \\ 10^1 \\ 10^0 \end{array}$   
 100000000 | 10000000 | 1000000 | 100000 | 10000 | 1000 | 100 | 10 | 1  
 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 = 100 + 0 + 2 \cdot 1 = 102

11000000 110101000 00000000 00000010  
 C 0