Binary Conversion of IP Address

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Course Code: Data Communication and Computer Networking

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Task1:

Create binary of 12.144.2.44

Binary	$2^7 = 128$	$2^6 = 64$	$2^5 = 32$	$2^4 = 16$	$2^3 = 8$	$2^2 = 4$	$2^1 = 2$	$2^0 = 1$	Decimal
00001100	0	0	0	0	1	1	0	0	12
10010000	1	0	0	1	0	0	0	0	144
00000010	0	0	0	0	0	0	1	0	2
00101100	0	0	1	0	1	1	0	0	44

So,

Decimal	Binary
12	00001100
144	10010000
2	00000010
44	00101100

IP Address (Decimal)

12.144.2.44

IP Address (Binary)

00001100. 10010000. 00000010. 00101100