What's 48 in binary?	How many bits are required to store a single digit of Hex? Explain your answer.	*"Software, which monitors the activities of a computer user and sends back as much information about them as possible (e.g: passwords, usernames, websites they visit, purchases they have made)".* Which threat is being described here?
Consider the following array: **names = ["Dave", "Mary", "Sam", "Billie", "Julie"].** What would be the value of names[3]?	What is the name of this Logic Gate?	In an 8-bit machine, what is the problem with obtaining a 9 bit answer from the addition of two bytes?

What's 48 in binary?

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

48 = 32 + 16

How many bits are required to store a single digit of Hex? Explain your answer.

4 Bits

The largest number that can be stored in a single digit of hex is 15 (which is F).
15 in hexadecimal is 1111 in binary.
Therefore 4 digits are required to store a single hex digit.

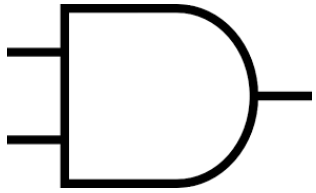
"Software, which monitors the activities of a computer user and sends back as much information about them as possible (e.g: passwords, usernames, websites they visit, purchases they have made)".
Which threat is being described here?

Spyware

Consider the following array:
names = ["Dave", "Mary", "Sam", "Billie", "Julie"].
What would be the value of names[3]?

Billie

What is the name of this Logic Gate?



AND Gate

In an 8-bit machine, what is the problem with obtaining a 9 bit answer from the addition of two bytes?

The addition results in an overflow error.