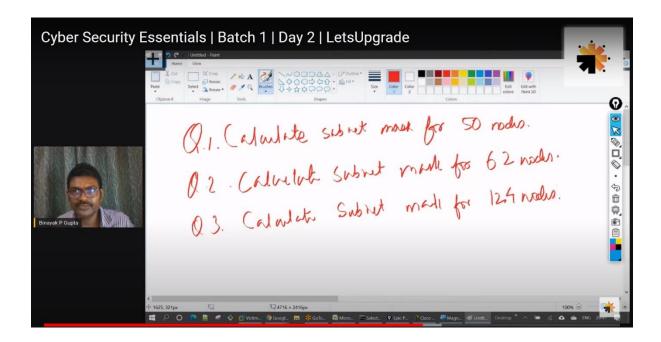
Cyber Security Essentials | Batch 1 | Day 2 | LetsUpgrade

Classwork



Q1. Calculate the subnet mask for 50 nodes.

2^{bits off}-2=50

i.e. 2bits off=52

i.e. log 2^{bits off =}log 52

i.e. bits off log2=log52

i.e. bits off =5.7 which is nearly equals to 6

Therefore the subnet mask is,

11111111.111111111.11111111.11000000

Or 255.255.255.192

Q2. Calculate the subnet mask for 62 nodes

Q3. Calculate the subnet mask for 124 nodes

Note: All answers are given considering class 3 IP address

Assignment submitted by Prashnik Das