How to calculate CIDR Value:

Classless inter-Domain Routing (CIDR)

**Ip address structure:**

**10.0.0.0**

**First part (10): first octate , second(0) : second octate and so on**

**Each octate has 8 binary values : 11111111 - > equivalent decimal values for these binary values : 128,64,32,16,8,4,2 - > each octate has size of 8 bit and total size of 4 octate is 32 -> each octate range between 0 to 255**