Network address :- 192.168.40.0

No. of subnets :- 2

2^n=no. of subnets===2^n=2 2X1=2 so N=1

**N=1**

Subnet :- 255.255.255.255

Binary :-11111111.11111111.11111111.10000000

Decimals :- 255.255.255.128 == subnet mask

1st Subnet

Subnet mask = 255.255.255.128

Network ID = 192.168.40.0

Range of Value Host = 192.168.40.1 -- 192.168.40.126

Broadcast ID = 192.168.40.127 **Count from 0 to 128**

2nd Subnet

Subnet mask = 255.255.255.128

Network ID = 192.168.40.128

Range of Value Host = 192.168.40.129 -- 192.168.40.254

Broadcast ID = 192.168.40.255