```
PS E:\6th Sem> cd "e:\6th Sem\" ; if ($?) { g++ classFinder_Pr_02.cpp -o classFinder_Pr_02 } ; if ($?) { .\classFinder_Pr_02 }
1.Identify the class of the IPv4 Address .
2.Identify the Network Address, Net_Id, Host_ID  .
3.Calculation of \n masking value for classless IPv4 Address.
4.Calculate the First Address, Last Address and Total No. of addresses for given IPv4 Address(Classful and Classless)
1
1.DDN (Dotted Binary Notation)
2.BN (Binary Notation)
1
Enter The IP Address : 192.168.1.1
Class C (Unicast) bcoz range of 192 is [192,223]
PS E:\6th Sem> cd "e:\6th Sem\" ; if ($?) { g++ classFinder_Pr_02.cpp -o classFinder_Pr_02 } ; if ($?) { .\classFinder_Pr_02 }
1.Identify the class of the IPv4 Address .
2.Identify the Network Address, Net_Id, Host_ID  .
3.Calculation of \n masking value for classless IPv4 Address.
4.Calculate the First Address, Last Address and Total No. of addresses for given IPv4 Address(Classful and Classless)
1
2.BN (Binary Notation)
2
Enter The IP Address : 10101000.11000000.00001000.00101000
Class B (Unicast) Class Id bits : 10
PS E:\6th Sem> cd "e:\6th Sem\" ; if ($?) { g++ classFinder_Pr_02.cpp -o classFinder_Pr_02 } ; if ($?) { .\classFinder_Pr_02 }
1.Identify the class of the IPv4 Address .
2.Identify the Network Address, Net_Id, Host_ID  .
4.Calculate the First Address, Last Address and Total No. of addresses for given IPv4 Address(Classful and Classless)
2
Enter The IP Address : 192.168.10.21
Class C (Unicast) bcoz range of 192 is [192,223]
192.168.10.00
net_id = 192.168.10.00

host_id = 21

PS E:\6th Sem> cd "e:\6th Sem\" ; if ($?) { g++ classFinder_Pr_02.cpp -o classFinder_Pr_02 } ; if ($?) { .\classFinder_Pr_02 }
1.Identify the class of the IPv4 Address .
2.Identify the Network Address, Net_Id, Host_ID  .
3.Calculation of \n masking value for classless IPv4 Address.
4.Calculate the First Address, Last Address and Total No. of addresses for given IPv4 Address(Classful and Classless)
```

```
PS E:\6th Sem> cd "e:\6th Sem\" ; if ($?) { g++ classFinder_Pr_02.cpp -o classFinder_Pr_02 } ; if ($?) { .\classFinder_Pr_02 }
1.Identify the class of the IPv4 Address .
2.Identify the Network Address, Net_Id, Host_ID  .
3.Calculation of \n masking value for classless IPv4 Address.
4.Calculate the First Address, Last Address and Total No. of addresses for given IPv4 Address(Classful and Classless)
3
Enter The IP Address : with /n 192.189.10.32/12
Mask = 11111111.11110000.00000000.00000000
PS E:\6th Sem> cd "e:\6th Sem\" ; if ($?) { g++ classFinder_Pr_02.cpp -o classFinder_Pr_02 } ; if ($?) { .\classFinder_Pr_02 }
1.Identify the class of the IPv4 Address .
2.Identify the Network Address, Net_Id, Host_ID  .
3.Calculation of \n masking value for classless IPv4 Address.
4.Calculate the First Address, Last Address and Total No. of addresses for given IPv4 Address(Classful and Classless)
4
Enter The IP Address : with /n 129.192.168.21/24

IP Address is :
                        129.192.168.21.
                        10000001.11000000.10101000.00010101.

Mask is :
                        255.255.255.0.
                        11111111.11111111.11111111.00000000

First Address is
                        129.192.168.0.
                        10000001.11000000.10101000.00000000.

Last Address is
                        255.255.255.21.
                        11111111.11111111.11111111.00010101.
```