```
package net;
//import java.io.*;

import java.util.regex.Matcher;
import java.util.regex.Pattern;

//import java.net.InetAddress;
//import java.util.*
;
public class net {

	public static void main(String[] args)
		throws Exception
		{
			if(args.length==0||args.length<2)
			{
				System.out.println("No or less Arguments specified.\nTry
again.");
				System.exit(0);
			}

			String ip=args[0];

			if(validate(ip)==false)
			{
				System.out.println("Invalid IP address specified.\nProvide
valid IP address.");
				System.exit(0);
			}


			//System.out.println("Enter mask:\n");
			int mask = Integer.parseInt(args[1]);
			//String networkAddr="";

			String[] ipAddrParts = ip.split("[.]");

			String a, b, c, d;
			a = Integer.toBinaryString(Integer.parseInt(ipAddrParts[0]));
			b = Integer.toBinaryString(Integer.parseInt(ipAddrParts[1]));
			c = Integer.toBinaryString(Integer.parseInt (ipAddrParts[2]));
			d = Integer.toBinaryString(Integer.parseInt (ipAddrParts[3]));

			a = String.format("%8s", a).replace(" ", "0");
			b = String.format("%8s", b).replace(" ", "0");
			c = String.format("%8s", c).replace(" ", "0");
			d = String.format("%8s", d).replace(" ", "0");

			String binaryIP = a+b+c+d;


			String netmask ="";
			for(int i=0;i<32;i++)
			{
				if(i<mask)
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                        netmask += "1";
                    else
                        netmask += "0";
                }

                String andResult = "";

                for(int i=0;i<32;i++)
                {
                    if(binaryIP.charAt(i)=='1'&&netmask.charAt(i)=='1')
                        andResult+="1";
                    else
                        andResult+="0";
                }

                a = andResult.substring(0, 8);
                b = andResult.substring(8, 16);
                c = andResult.substring(16, 24);
                d = andResult.substring(24, 32);

                int w,x,y,z;
                w = Integer.parseInt(a, 2);
                x = Integer.parseInt(b, 2);
                y = Integer.parseInt(c, 2);
                z = Integer.parseInt(d, 2);

                String netNum =
Integer.toString(w)+"."+Integer.toString(x)+"."+Integer.toString(y)+"."+Integer.toStr
ing(z);
                System.out.println("Network Address is:"+netNum);
                System.out.println("Every 10th usuable IP addresses are:");
                z=z+10;
                while(z<=255)
                {
                      //z+=10
                    netNum =
Integer.toString(w)+"."+Integer.toString(x)+"."+Integer.toString(y)+"."+Integer.toStr
ing(z);
                    z=z+10;
                    System.out.println(netNum);
                }



    }

    private static boolean validate(String ip) {
        String pattern = "^([01]?\\d\\d?|2[0-4]\\d|25[0-5])\\." +
                "([01]?\\d\\d?|2[0-4]\\d|25[0-5])\\." +
                "([01]?\\d\\d?|2[0-4]\\d|25[0-5])\\." +
                "([01]?\\d\\d?|2[0-4]\\d|25[0-5])$";

        Pattern ptrn = Pattern.compile(pattern);
        Matcher match= ptrn.matcher(ip);
```

```
                if(match.matches())
                        return true;
                return false;
        }

}
```