

```

import java.util.Scanner;

public class PrintNthNumberforTwoDigits {

    public static void main(String[] args) {
        Scanner s=new Scanner(System.in);
        int d1=s.nextInt(),d2=s.nextInt(),n=s.nextInt();
        int f=0,i=9;
        while(f!=n)
        {
            String c=Integer.toString(i);
            int l=c.length();
            int inf=0,d1f=0,d2f=0;
            for(int j=0;j<l;j++)
            {
                if(Character.getNumericValue(c.charAt(j))==d1)
                {
                    inf++;
                    d1f=1;
                }
                else if(Character.getNumericValue(c.charAt(j))==d2)
                {
                    inf++;
                    d2f=1;
                }
                else
                    break;
                if(inf==1 && d1f==1 && d2f==1)
                    {f++;}
            }
            i++;
        }
        System.out.println(i-1);
    }
}

```