Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
#include<math.h>
int main()
{
    int a,i,j,count=0,c,temp,d,e,sum=0;
    scanf("%d",&a);
    c=a;
    temp=a;
    for(i=1;a>0;i++)
    {
        count=count+1;
        a=a/10;
    }
    for(j=1;c>0;j++)
    {
        d=c%10;
        e=pow(d,count);
        sum=sum+e;
        c=c/10;
    }
    if(sum==temp)
    {
        printf("true");
    }
    else
    {
        printf("false");
    }
}
```

	Input	Expected	Got	
✓	153	true	true	✓
✓	123	false	false	✓

Take a number, reverse it and add it to the original number until the obtained number is a palindrome. Constraints 1<=num<=99999999 Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sample Output 2 66066

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int m,n,nt=0,i=0;
    scanf("%d",&n);
    do
    {
        nt=n;
        m=0;
        while(n!=0)
        {
            m=m*10+n%10;
            n=n/10;
        }
        n=nt+m;
        i++;
    }
    while(m!=nt||i==1);
    printf("%d",m);
}
```

	Input	Expected	Got	
✓	32	55	55	✓
✓	789	66066	66066	✓

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int n=1,i=0,nt,co=0,e;
    scanf("%d",&e);
    while(i<e)
    {
        nt=n;
        while(nt!=0)
        {
            co=0;
            if(nt%10!=3&&nt%10!=4)
            {
                co=1;
                break;
            }
            nt=nt/10;
        }
        if(co==0)
        {
            i++;
        }
        n++;
    }
    printf("%d",--n);
}
```

	Input	Expected	Got	
✓	34	33344	33344	✓