

```

1 #include<stdio.h>
2 #include<math.h>
3 int main()
4 {
5     int a,digit=0,sum=0,n;
6     scanf("%d",&a);
7     n=a;
8     while(n!=0){
9         digit++;
10        n=n/10;
11    }
12    n=a;
13    while(n!=0)
14    {
15        sum=sum+pow((n%10),digit);
16        n=n/10;
17    }
18    if(sum==a)
19    {
20        printf("true");
21    }
22    else
23    {
24        printf("false");
25    }
26 }

```

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

```

1  #include<stdio.h>
2  int main()
3  {
4      int rn,n,i=0;
5      scanf("%d",&n);
6      int nt=0;
7      do{
8          nt=n;
9          rn=0;
10         while(n!=0)
11         {
12             rn=(rn*10)+n%10;
13             n=n/10;
14         }
15         n=nt+rn;
16         i++;
17     }while(rn!=nt || i==1);
18     printf("%d",rn);
19 }
20

```

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

```

1 #include<stdio.h>
2 int main()
3 {
4     int n=1,i=0,nt,co=0,e;
5     scanf("%d",&e);
6     while(i<e)
7     {
8         nt=n;
9         while(nt!=0)
10        {
11            co=0;
12            if(nt%10!=3 && nt%10!=4)
13            {
14                co=1;
15                break;
16            }
17            nt=nt/10;
18        }
19        if(co==0)
20        {
21            i++;
22        }
23        n++;
24    }
25    printf("%d",--n);
26 }

```

	Input	Expected	Got	
✓	34	33344	33344	✓