

```

1 #include<stdio.h>
2 #include<math.h>
3 int main()
4 {
5     int n;
6     scanf("%d",&n);
7     int x=0,n2=n;
8     while(n2!=0)
9     {
10         x++;
11         n2=n2/10;
12     }
13     int sum=0;
14     int n3=n,n4;
15     while(n3!=0)
16     {
17         n4=n3%10;
18         sum = sum+pow(n4,x);
19         n3=n3/10;
20     }
21     if (n==sum)
22     {
23         printf("true");
24     }
25     else
26     {
27         printf("false");
28     }
29     return 0;
30 }

```

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

```

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

```

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

Passed all tests! ✓

```

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    return 0;
27 }

```

	Input	Expected	Got	
✓	34	33344	33344	✓

Passed all tests! ✓