

Answer: (penalty regime: 0 %)

```
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/=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/=10;
20     }
21     if(n==sum)
22     {
23         printf("true");
24     }
25     else{
26         printf("false");
27     }
28
29 }
```

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

Passed all tests! ✓

**Answer:** (penalty regime: 0 %)

```
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/=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! ✓

Answer: (penalty regime: 0 %)

```
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/=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! ✓