



Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int reverse(int num)
3 {
4     int rev = 0;
5     while(num > 0)
6     {
7         rev = rev * 10 + num % 10;
8         num /= 10;
9     }
10    return rev;
11 }
12 int isPalindrome(int num)
13 {
14     return num == reverse(num);
15 }
16 int main()
17 {
18     int num;
19     scanf("%d",&num);
20     while(!isPalindrome(num))
21     {
22         num += reverse(num);
23     }
24     printf("%d\n",num);
25     return 0;
26 }
```

	Input	Expected	Got	
✓	32	55	55	✓
✓	1234	5555	5555	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<math.h>
3 int isPrime(int num)
4 {
5     if(num <= 1)
6     {
7         return 0;
8     }
9     if(num <= 3)
10    {
11        return 1;
12    }
13    if(num % 2 == 0 || num %
14    {
15        return 0;
16    }
17    int i = 5;
18    while(i * i <= num)
19    {
20        if(num % i == 0 || nu
21        {
22            return 0;
23        }
24        i += 6;
25    }
26    return 1;
27 }
28 int main()
29 {
30     int T,N;
31     scanf("%d",&T);
32     for(int i = 0; i< T; ++i)
33     {
34         scanf("%d",&N);
35         int found = 0;
36         for(int j = 2; j<= N/
37         {
38             if(isPrime(j) &&
39             {
40                 found = 1;
```



```
29 {
30     int T,N;
31     scanf("%d",&T);
32     for(int i = 0; i< T; ++i)
33     {
34         scanf("%d",&N);
35         int found = 0;
36         for(int j = 2; j<= N/2; ++j)
37         {
38             if(isPrime(j) && N%j==0)
39             {
40                 found = 1;
41                 break;
42             }
43         }
44         if(found)
45         {
46             printf("yes\n");
47         }
48         else
49         {
50             printf("no\n");
51         }
52     }
53     return 0;
54 }
```

	Input	Expected	Got	
✓	5	yes	yes	✓
	20	yes	yes	
	12	no	no	
	23	yes	yes	
	34	yes	yes	
	16			

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int gcd(int a, int b)
3 {
4     if(b==0)
5     {
6         return a;
7     }
8     else
9     {
10        return gcd(b, a%b);
11    }
12 }
13 int main()
14 {
15     int n,count = 0;
16     scanf("%d",&n);
17     for(int i = 1; i<=n; i++)
18     {
19         if(gcd(i,n) == 1)
20         {
21             count++;
22         }
23     }
24     printf("%d\n",count);
25     return 0;
26 }
```

	Input	Expected	Got	
✓	10	4	4	✓
✓	23	22	22	✓
✓	11	10	10	✓

Passed all tests! ✓