

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

```
1  #include<stdio.h>
2  int main()
3  {
4      int t;
5      scanf("%d",&t);
6      while(t-->0)
7      {
8          int n,r;
9          scanf("%d",&n);
10         r=n/4;
11         if((r%2==0 && n%2==1)
12         {
13             printf("Yes\n");
14         }
15         else
16         {
17             printf("No\n");
18         }
19     }
20     return 0;
21 }
```

	Input	Expected	Got	
✓	3	Yes	Yes	✓
	1	Yes	Yes	
	6	No	No	
	7			

Passed all tests! ✓

```

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

```

	Input	Expected	Got	
✓	630	2	2	✓
✓	1288	4	4	✓

Passed all tests! ✓

```

1  #include <stdio.h>
2  int main()
3  {
4      int n;
5      scanf("%d",&n);
6      int c=0;
7      while(n>0)
8      {
9          c++;
10         n/=2;
11     }
12     printf("%d",c);
13     return 0;
14 }

```

	Input	Expected	Got	
✓	10	4	4	✓
✓	5	3	3	✓
✓	20	5	5	✓
✓	500	9	9	✓
✓	1000	10	10	✓

Passed all tests! ✓

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

```
1  #include<stdio.h>
2  int main()
3  {
4      int n,count;
5      char ch;
6      while(scanf("%d",&n)==1)
7      {
8          if(n%2!=0)
9          {
10             count++;
11         }
12         ch=getchar();
13         if(ch=='\n')
14             break;
15     }
16     printf("%d\n",count);
17 }
```

	Input	
✓	5 10 15 20 25 30 35 40 45 50	5

Passed all tests! ✓

Question **2**

```

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

```

	Input	Expected	Got	
✓	6	true	true	✓
✓	89	true	true	✓
✓	25	false	false	✓

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

```
1  #include<stdio.h>
2  int main()
3  {
4      long int n,k,sum;
5      scanf("%ld %ld",&n,&k);
6      sum=0;
7      for (int i=1; i<=n;i++)
8      {
9          sum+=i;
10         if(sum==k)
11             sum-=1;
12     }
13     printf("%ld",sum%1000000)
14 }
```

	Input	Expected	Got	
✓	2 2	3	3	✓
✓	2 1	2	2	✓
✓	3 3	5	5	✓