

```
1 #include<stdio.h>
2 int main()
3 {
4     int num,sum=0,rem;
5     scanf("%d",&num);
6     while(num>0)
7     {
8         rem=num%10;
9         if(rem==0 || rem==4 || rem==6 || rem==9)
10            sum=sum+1;
11        else if(rem==8)
12            sum=sum+2;
13        num=num/10;
14    }
15    printf("%d",sum);
16    return 0;
17 }
```

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

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     while(n>=0)
7     {
8         printf("You entered: %d\n",n);
9         scanf("%d",&n);
10    }
11    return 0;
12 }
```

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

```
1 #include<stdio.h>
2 int main()
3 {
4     int num,temp,rem,rev=0,flag=1;
5     scanf("%d",&num);
6     temp=num;
7     while(num>0)
8     {
9         rem=num%10;
10        if(rem==2||rem==3||rem==4||rem==5||rem==7)
11            flag=0;
12        else if(rem==6)
13            rem=9;
14        else if(rem==9)
15            rem=6;
16        rev=rev*10+rem;
17        num=num/10;
18    }
```

```
if(flag==0)
printf("false");
else if(rev!=temp)
printf("true");
else
printf("false");
return 0;
}
```

```
#include<stdio.h>
int main()
{
    int num, pos=0, neg=0;
    while (scanf("%d", &num) == 1)
    {
        if (num >= 0)
            pos++;
        else if (num < 0)
            neg++;
    }
    printf("Positive numbers count: %d\n", pos);
    printf("Negative numbers count: %d\n", neg);
}
```