

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

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

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

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

```
1 #include <stdio.h>
2 int main() {
3     int num, pos_count = 0, neg_count=0;
4     char ch;
5     while (scanf("%d", &num)) {
6         if (num>=0) {
7             pos_count++;
8         } else if (num<0) {
9             neg_count++;
10        }
11        ch = getchar();
12        if (ch == '\n') {
13            break;
14        }
15    }
16    printf("Positive numbers count: %d\n", pos_count);
17    printf("Negative numbers count: %d", neg_count);
18    return 0;
19 }
```

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