

```
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 }
```