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main.c

🔍 ⚙️ Run

```
1 #include <stdio.h>
2 int main()
3 {
4     int i, j, start, end, sum;
5     /* Input lower and upper limit from user */
6     printf("Enter lower limit: ");
7     scanf("%d", &start);
8     printf("Enter upper limit: ");
9     scanf("%d", &end);
10    printf("All Perfect numbers between %d to %d:\n", start, end);
11
12    /* Iterate from start to end */
13    for(i=start; i<=end; i++)
14    {
15        sum = 0;
16        /* Check whether the current number i is Perfect number or not */
17        for(j=1; j<i; j++)
18        {
19            if(i % j == 0)
20            {
21                sum += j;
22            }
23        }
24        /* If the current number i is Perfect number */
25        if(sum == i)
26        {
27            printf("%d, ", i);
28        }
29        return 0;
30    }
31 }
```

Output

Clear

```
/tmp/nRPKQ0sqLm.o
Enter lower limit: 1
Enter upper limit: 50
All Perfect numbers between 1 to 50:
6, 28,
```

Meeting in "General" 28:11

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C program to count occurrence c

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main.c

🔄 ⚙️ Run

```
1 #include <stdio.h>
2
3 /*function to get occurrence of a digit in a number*/
4 int findOccurrence(int num,int dig)
5 {
6     int rem, cnt;
7
8     cnt=0;
9     while(num>0)
10    {
11        rem=num%10;
12        if(rem==dig)
13            cnt++;
14        num/=10;
15    }
16    return cnt;
17 }
18
19 int main()
20 {
21     int num, digit, cnt;
22
23     printf("Enter a number: ");
24     scanf("%d",&num);
25     printf("Enter digit to search: ");
26     scanf("%d",&digit);
27
28     cnt=findOccurrence(num,digit);
29
30     printf("Total occurrence of digit is: %d in number: %d.",cnt,num);
31
32     return 0;
33 }
```

Output

Clear

```
/tmp/nRPKQ0sqlm.o
Enter a number: 23111
Enter digit to search: 1
Total occurrence of digit is: 3 in number: 23111.
```

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main.c

⌕ ⚙ Run

```
1 #include <stdio.h>
2 #include <math.h>
3 int main()
4 {
5     int n, num = 0, digits;
6     /* Input number from user */
7     printf("Enter any number to print in words: ");
8     scanf("%d", &n);
9
10    /* Find total digits in n */
11    digits = (int) log10(n);
12    /* Store reverse of n in num */
13    while(n != 0)
14    {
15        num = (num * 10) + (n % 10);
16        n /= 10;
17    }
18
19    /* Find total trailing zeros */
20    digits = digits - ((int) log10(num));
21    /*
22     * Extract last digit of number and print corresponding number in
23     words
24     * till num becomes 0
25     */
26    while(num != 0)
27    {
28        switch(num % 10)
29        {
30            case 0:
31                printf("Zero ");
32                break;
33            case 1:
34                printf("One ");
35                break;
36            case 2:
37                printf("Two ");
38                break;
39            case 3:
40                printf("Three ");
41                break;
```

Output

Clear

/tmp/nRPKQ0sqLm.o

Enter any number to print in words: 362001

Three Six Two Zero Zero One

Meeting in "General" 01:09:32

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main.c

🗖️ ⚙️ Run

```
1: printf("Zero ");
32: break;
33: case 1:
34: printf("One ");
35: break;
36: case 2:
37: printf("Two ");
38: break;
39: case 3:
40: printf("Three ");
41: break;
42: case 4:
43: printf("Four ");
44: break;
45: case 5:
46: printf("Five ");
47: break;
48: case 6:
49: printf("Six ");
50: break;
51: case 7:
52: printf("Seven ");
53: break;
54: case 8:
55: printf("Eight ");
56: break;
57: case 9:
58: printf("Nine ");
59: break;
60: }
61
62: num /= 10;
63: }
64
65: /* Print all trailing zeros */
66: while(digits)
67: {
68: printf("Zero ");
69: digits--;
70: }
71
72: return 0;
73: }
```

Output

Clear

```
/tmp/nRPKQ0sqLm.o
Enter any number to print in words: 362001
Three Six Two Zero Zero One
```

Meeting in "General" 01:09:41

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