Program to print all alphabets from a to z.

```c
1   #include <stdio.h>
2
3   int main()
4   {
5       char ch;
6
7       printf("Alphabets from a to z are:\n");
8       for(ch='a'; ch<='z'; ch++)
9       {
10          printf("%c ", ch);
11      }
12  }
```

```
input
Alphabets from a to z are:
a b c d e f g h i j k l m n o p q r s t u v w x y z

...Program finished with exit code 0
Press ENTER to exit console.
```

Program to print all even numbers between 1 to 100.

```c
1  #include<stdio.h>
2
3  int main()
4  {
5      for(int i=1;i<=100;i++)
6      {
7          if(i%2==0)
8          {
9              printf("%d,", i);
10         }
11     }
12 }
```

input

```
2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,48,50,52,54,56,58,60,62,64,66,68,70,72,74,76,78,80,82,84,86,88,90,92,94,96,98,100,

...Program finished with exit code 0
Press ENTER to exit console.
```

Program to find sum of all odd numbers between 1 to N.

```c
1   #include <stdio.h>
2
3   int main()
4   {
5       int i, n, sum=0;
6       printf("Enter upper limit: ");
7       scanf("%d", &n);
8       for(i=1; i<=n; i+=2)
9       {
10          sum += i;
11      }
12      printf("Sum of odd numbers = %d", sum);
13  }
```

input

```
Enter upper limit: 34
Sum of odd numbers = 289

...Program finished with exit code 0
Press ENTER to exit console.
```

Program to print multiplication table of any number.

```c
1  #include<stdio.h>
2  int main()
3  {
4      int n, i;
5      printf("Enter an integer: ");
6      scanf("%d", &n);
7      for (i = 1; i <= 10; ++i)
8      {
9          printf("%d * %d = %d \n", n, i, n * i);
10     }
11 }
```

```
                                              input
Enter an integer: 34
34 * 1 = 34
34 * 2 = 68
34 * 3 = 102
34 * 4 = 136
34 * 5 = 170
34 * 6 = 204
34 * 7 = 238
34 * 8 = 272
34 * 9 = 306
34 * 10 = 340


...Program finished with exit code 0
Press ENTER to exit console.
```

Program to count number of digits in a number.

```c
1  #include <stdio.h>
2  int main()
3  {
4      long long n;
5      int count = 0;
6      printf("Enter an integer: ");
7      scanf("%lld", &n);
8      do
9      {
10         n /= 10;
11         ++count;
12     }
13     while (n != 0);
14     printf("Number of digits: %d", count);
15 }
```

```
Enter an integer: 4567
Number of digits: 4

...Program finished with exit code 0
Press ENTER to exit console.
```

Program to find the first and last digit of any number.

```c
1  #include <stdio.h>
2
3  int main()
4  {
5      int num, sum=0, firstDigit, lastDigit;
6      printf("Enter any number to find sum of first and last digit: ");
7      scanf("%d", &num);
8      lastDigit = num % 10;
9      firstDigit = num;
10     while(num >= 10)
11     {
12         num = num / 10;
13     }
14     firstDigit = num;
15     sum = firstDigit + lastDigit;
16     printf("Sum of first and last digit = %d", sum);
17 }
```

input

```
Enter any number to find sum of first and last digit: 345678
Sum of first and last digit = 11

...Program finished with exit code 0
Press ENTER to exit console.
```

Program to swap first and last digit of any number.

```c
1  #include <stdio.h>
2  #include <math.h>
3
4  int main()
5  {
6      int Number, FirstDigit, DigitsCount, LastDigit, a, b, SwapNum;
7      printf("Enter any number:");
8      scanf("%d", & Number);
9      DigitsCount = log10(Number);
10     FirstDigit = Number / pow(10, DigitsCount);
11     LastDigit = Number % 10;
12     a = FirstDigit * (pow(10, DigitsCount));
13     b = Number % a;
14     Number = b / 10;
15     SwapNum = LastDigit * (pow(10, DigitsCount)) + (Number * 10 + FirstDigit);
16     printf("Number after swapping of first and last digit= %d", SwapNum);
17 }
```

input

```
Enter any number:34467
Number after swapping of first and last digit= 74463

...Program finished with exit code 0
Press ENTER to exit console.
```

Program to find frequency of each digit in each integer.

```c
1   #include <stdio.h>
2   #define BASE 10
3
4   int main()
5   {
6       long long num, n;
7       int i, lastDigit;
8       int freq[BASE];
9       printf("Enter any number: ");
10      scanf("%lld", &num);
11      for(i=0; i<BASE; i++){
12          freq[i] = 0;
13      }
14      n = num;
15      while(n != 0){
16          lastDigit = n % 10;
17          n /= 10;
18          freq[lastDigit]++;
19      }
20      printf("Frequency of each digit in %lld is: \n", num);
21      for(i=0; i<BASE; i++){
22          printf("Frequency of %d = %d\n", i, freq[i]);
23      }
24  }
```

input

```
Enter any number: 321329876610
Frequency of each digit in 321329876610 is:
Frequency of 0 = 1
Frequency of 1 = 2
Frequency of 2 = 2
Frequency of 3 = 2
Frequency of 4 = 0
Frequency of 5 = 0
Frequency of 6 = 2
Frequency of 7 = 1
Frequency of 8 = 1
Frequency of 9 = 1

...Program finished with exit code 0
```

Program to enter a number and print it in words.

```c
1  #include <stdio.h>
2  int main()
3  {
4      int n, num = 0;
5      printf("Enter any number to print in words: ");
6      scanf("%d", &n);
7      while(n != 0){
8          num = (num * 10) + (n % 10);
9          n /= 10;}
10     while(num != 0){
11         switch(num % 10)
12         {
13             case 0:
14                 printf("Zero ");
15                 break;
16             case 1:
17                 printf("One ");
18                 break;
19             case 2:
20                 printf("Two ");
21                 break;
22             case 3:
23                 printf("Three ");
24                 break;
25             case 4:
26                 printf("Four ");
27                 break;
28             case 5:
29                 printf("Five ");
30                 break;
31             case 6:
32                 printf("Six ");
33                 break;
34             case 7:
35                 printf("Seven ");
36                 break;
37             case 8:
38                 printf("Eight ");
39                 break;
40             case 9:
41                 printf("Nine ");
42                 break;
43         }num = num / 10;
44     }
45  }
```

```
Enter any number to print in words: 211334
Two One One Three Three Four

...Program finished with exit code 0
Press ENTER to exit console.
```

Program to print all ASCII character with their values.

```
1  #include <stdio.h>
2
3  int main()
4 ▾ {
5      char c;
6      printf("Enter a character: ");
7      scanf("%c", &c);
8      printf("ASCII value of %c = %d", c, c);
9  }
10
```

input

```
Enter a character: p
ASCII value of p = 112

...Program finished with exit code 0
Press ENTER to exit console.
```