



main.c

Output



```
1 #include <stdio.h>
2 int main()
3 {
4     int num, firstDigit, lastDigit;
5     printf("Enter any number: ");
6     scanf("%d", &num);
7     // Get last digit
8     lastDigit = num % 10;
9     while (num >= 10)//stop when
10    one digit left
11    {
12        // Find first digit
13        num = num / 10;
14    }
15    firstDigit = num;
16    printf("First digit = %d\n",
17        firstDigit);
18    printf("Last digit = %d\n",
19        lastDigit);
20 }
```

Run



main.c

Output



Enter any number: 786986

First digit = 7

Last digit = 6

==== Code Execution Successful ===|



main.c

Output



```
1 #include <stdio.h>
2 int main()
3 {
4     int n, i;
5     long long fact = 1; // long
6     long can hold bigger values
7     printf("Enter a number: ");
8     scanf("%d", &n);
9     for(i = 1; i <= n; i++)
10    {
11        fact = fact * i;
12    }
13    printf("Factorial of %d = %lld"
14        , n, fact);
15 }
```

Run



main.c

Output



Enter a number: 56

Factorial of 56 = 6908521828386340864

==== Code Execution Successful ===|



main.c

Output



```
1 #include <stdio.h>
2 int main()
3 {
4     int n,temp,r,i, fact, sum = 0;
5     printf("Enter a number: ");
6     scanf("%d", &n);
7     temp = n; // store original
8         number
9     while(n > 0)
10    {
11        r = n % 10; // get last
12            digit
13        fact = 1;
14        for(i = 1; i <= r; i++)
15            fact *= i; // find
16                factorial of digit
17        sum += fact; // add
18            factorial to sum
19        n /= 10; // remove
20            last digit
21    }
22    if(sum == temp)
23        printf("%d is a Strong
24            number", temp);
```

```
number , temp);  
19     else  
20         printf("%d is not a Strong  
21             number", temp);  
22     return 0;  
23 }  
24 /*1!=1  
25 4!=24  
26 5!=120  
27 1+24+120=120*/
```

Run



Programiz

C Online Compiler

Programiz PRO

main.c

Output



Enter any number: 567

567 is NOT a Strong Number

==== Code Execution Successful ===|



Programiz

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main.c

Output



Enter any number: 2

2 is a Strong Number

==== Code Execution Successful ===|



main.c

Output



```
1 #include <stdio.h>
2 int main()
3 {
4     int n, sum = 0, r;
5     printf("Enter a number: ");
6     scanf("%d", &n);
7     while(n > 0) // loop continue
9         until zero
8     {
9         r = n % 10;           // get
10        last digit
11        sum = sum + r;     // add
12        that digit
11        n = n / 10;       // remove
13        last digit
12    }
13    printf("Sum of digits = %d",
14        sum);
14    return 0;
15 }
```

Run



main.c

Output



Enter a number: 45

Sum of digits = 9

==== Code Execution Successful ===|