



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
        one digit left
10     {
11         // Find first digit
12         num = num / 10;
13     }
14     firstDigit = num;
15     printf("First digit = %d\n",
        firstDigit);
16     printf("Last digit = %d\n",
        lastDigit);
17
18     return 0;
19 }
```

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
                           long can hold bigger values
6      printf("Enter a number: ");
7      scanf("%d", &n);
8      for(i = 1; i <= n; i++)
9      {
10         fact = fact * i;
11     }
12
13     printf("Factorial of %d = %lld"
14           , n, fact);
15     return 0;
16 }
```

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
                    number
8      while(n > 0)
9      {
10         r = n % 10; // get last
                      digit
11         fact = 1;
12         for(i = 1; i <= r; i++)
13             fact *= i;    // find
                            factorial of digit
14         sum += fact;      // add
                            factorial to sum
15         n /= 10;          // remove
                            last digit
16     }
17     if(sum == temp)
18         printf("%d is a Strong
                    number", temp);
```

```
number, temp);
```

```
19     else
```

```
20         printf("%d is not a Strong  
        number", temp);
```

```
21
```

```
22     return 0;
```

```
23 }
```

```
24 ▾ /*1!=1
```

```
25    4!=24
```

```
26    5!=120
```

```
27    1+24+120=120* /
```

Run



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main.c

Output



```
Enter any number: 567
```

```
567 is NOT a Strong Number
```

```
=== Code Execution Successful ===
```



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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
                        until zero
8  {
9      |      r = n % 10;          // get
                        last digit
10     |      sum = sum + r;      // add
                        that digit
11     |      n = n / 10;         // remove
                        last digit
12     }
13     printf("Sum of digits = %d",
           sum);
14     return 0;
15 }
```

Run



main.c

Output



Enter a number: 45

Sum of digits = 9

=== Code Execution Successful ===