



main.c

Output



```
1 // Online C compiler to run C program
    online
2 #include <stdio.h>
3
4 int main() {
5     int n, firstdigit, lastdigit;
6     printf("Enter an integer:");
7     scanf("%d",&n);
8     int originalnumber = n;
9     lastdigit = originalnumber % 10;
10    while (n>=10) {
11        n = n / 10;
12    }
13    firstdigit = n;
14    printf("First digit :%d\n",firstdigit);
15    printf("Last digit :%d\n",lastdigit);|
16
17    return 0;
18 }
```

Run



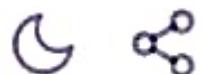
Programiz

C Online Compiler

Programiz PRO

main.c

Output



Enter a number:4567

The first digit is: 4

The last digit is: 7

==== Code Execution Successful ===



main.c

Output



```
1 // Online C compiler to run C program
  online
2 #include <stdio.h>
3
4 int main() {
5     int n, isprime = 1;
6     printf("Enter a number:");
7     scanf("%d", &n);
8     if(n<=1) {
9         isprime = 0;
10    } else {
11        for (int i=2; i<n; i++) {
12            if(n % i == 0) {
13                isprime =0;
14                break;
15            }
16        }
17    }
18    if (isprime) {
19        printf("%d is a prime number
              .\n",n);
20    } else {
21        printf("%d is not a prime
              number.\n",n);
22    }
23
24    return 0;
25 }
```

Run



Programiz

C Online Compiler

Programiz PRO

main.c

Output



Enter a number:8

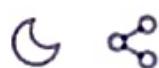
8 is not a prime number.

==== Code Execution Successful ===



main.c

Output



```
1 // Online C compiler to run C program
  online
2 #include <stdio.h>
3
4 int main() {
5     int num,sum = 0, rem;
6     printf("Enter a number:");
7     scanf("%d",&num);
8     while(num != 0)
9     {
10         rem=num % 10;
11         sum=sum + rem;
12         num=num / 10;
13     }
14     printf("sum of digits of the number is
15             %d\n",sum);
16
17 }
```

Run



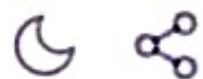
Programiz

C Online Compiler

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main.c

Output



Enter a number:54

sum of digits of the number is 9

==== Code Execution Successful ===



main.c

Output



```
1 // Online C compiler to run C program
   online
2 #include <stdio.h>
3
4 int main() {
5     int n,i;
6     long long factorial =1;
7     printf("Enter a non-negative integer:"
           );
8     scanf("%d",&n);
9     if (n < 0) {
10         printf("Factorial is not defined
               for negative numbers.\n");
11     } else if (n==0) {
12         printf("Factorial of 0 is 1.\n");
13     } else {
14         for (i=1;i<=n;i++) {
15             factorial *=i;
16         }
17         printf("Factorial of %d is %lld.\n"
               ,n,factorial);
18     }
19
20
21
22     return 0;
23 }
```

Run



Programiz

C Online Compiler

Programiz PRO

main.c

Output



Enter a non-negative integer:25

Factorial of 25 is 7034535277573963776.

==== Code Execution Successful ===

main.c

Output



```
4     int factorial(int n)
5     {
6         int fact=1;
7         for(int i=1;i<=n;i++)
8         {
9             fact=fact*i;
10        }
11        return fact;
12    }
13    int main ()
14    {
15        int num,rem,sum = 0;
16        int originalnum;
17        printf("Enter a number");
18        scanf("%d",&num);
19        originalnum=num;
20        while(num>0)
21        {
22            rem = num % 10;
23            sum += factorial(rem);
24            num/=10;
25        }
26        if(sum == originalnum)
27        {
28            printf("%d is a strong number\n"
29                  ,originalnum);
30        } else
31        {
32            printf("%d is not a strong
33                  number\n", originalnum);
34        }
35        return 0;
36    }
```

Run



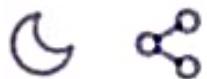
Programiz

C Online Compiler

Programiz PRO

main.c

Output



Enter a number96

96 is not a strong number

==== Code Execution Successful ===