

C:\Users\Admin\OneDrive\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug [\*] Untitled1.cpp Untitled2.cpp

```
1 #include <stdio.h>
2 #include <math.h>
3 #include <stdio.h>
4 #include <stdio.h>
5
6 int main()
7 {
8     int n, i, f1 = 0, f2 = 1, next;
9     printf("jashwanth 192224152");
10    public int __cdecl printf (const char * __restrict __Format, ...)
11    scanf("%d", &n);
12
13    printf("Fibonacci Series: ");
14
15    for (i = 0; i < n; i++)
16    {
17        if (i <= 1)
18            next = i;
19        else
20        {
21            next = f1 + f2;
22            f1 = f2;
23            f2 = next;
24        }
25        printf("%d ", next);
26    }
27
28    return 0;
29 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\Admin\OneDrive\Documents\Untitled2.exe  
- Output Size: 128.6015625 KiB  
- Compilation Time: 0.42s

Line: 9 Col: 32 Sel: 0 Lines: 29 Length: 522 Insert Done parsing in 0.172 seconds

C:\Users\Admin\OneD x + - □ ×

jashwanth 192224152Enter the number of terms  
: 6  
Fibonacci Series: 0 1 1 2 3 5  
-----  
Process exited after 2.057 seconds with return value 0  
Press any key to continue . . .

C:\Users\Admin\OneDrive\Documents\Untitled1.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

Untitled1.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int n, i, flag = 0;
5     printf("jashwanth 192224152");
6     scanf("%d", &n);
7     // Check if the number is divisible by any number other than 1 and itself
8     for(i=2; i<=n/2; ++i) {
9         if(n%i == 0) {
10             flag = 1;
11             break;
12         }
13     }
14
15     if(n == 1) {
16         printf("1 is neither prime nor composite.\n");
17     }
18     else {
19         if(flag == 0)
20             printf("%d is a prime number.\n", n);
21         else
22             printf("%d is not a prime number.\n", n);
23     }
24
25     return 0;
26 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\OneDrive\Documents\Untitled1.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.14s

Line: 5 Col: 32 Sel: 0 Lines: 28 Length: 622 Insert Done parsing in 0.015 seconds

Abort Compilation

Shorten compiler paths

Process exited after 11.33 seconds with return value 0  
Press any key to continue . . .

jashwanth 192224152Enter a positive integer:  
9  
9 is not a prime number.

-----

Process exited after 11.33 seconds with return value 0  
Press any key to continue . . .

Tuesday, March 28, 2023



```
1 #include <stdio.h>
2 #include <math.h>
3
4 int main() {
5     int number, originalNumber, remainder, result = 0, n = 0;
6     printf("jaswanth 192224154");
7     public int __cdecl printf (const char * __restrict __Format, ...)
8     scanf("%d", &number);
9
10    originalNumber = number;
11
12    // count the number of digits
13    while (originalNumber != 0) {
14        originalNumber /= 10;
15        ++n;
16    }
17
18    originalNumber = number;
19
20    // calculate the sum of nth power of each digit
21    while (originalNumber != 0) {
22        remainder = originalNumber % 10;
23        result += pow(remainder, n);
24        originalNumber /= 10;
25    }
26
27    // check if the number is Armstrong or not
28    if (result == number)
29        printf("%d is an Armstrong number.\n", number);
30    else
31        printf("%d is not an Armstrong number.\n", number);
32}
```

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\OneDrive\Documents\Untitled2.exe
- Output Size: 151.7294921875 KiB
- Compilation Time: 0.44s
```












Search



```
jaswanth 192224154Enter an integer: 4
4 is an Armstrong number.
```

```
-----
Process exited after 3.292 seconds with return va
lue 0
Press any key to continue . . . |
```



main.c

Run

```
1  #include <stdio.h>
2  int main() {
3      int num;
4      printf("Jaswanth sarma 192224152");
5      printf("Enter an integer: ");
6      scanf("%d", &num);
7
8
9      if(num % 2 == 0)
10         printf("%d is even.", num);
11     else
12         printf("%d is odd.", num);
13
14     return 0;
15 }
```

Output

Clear

```
/tmp/E36cvupXZF.o
Jaswanth sarma 192224152Enter an integer: 999
999 is odd.
```



main.c

Run

```
1 #include <stdio.h>
2 int main() {
3     int year;
4     printf("jaswanth 192224152");
5     printf("Enter a year: ");
6     scanf("%d", &year);
7
8     // leap year if perfectly divisible by 400
9     if (year % 400 == 0) {
10         printf("%d is a leap year.", year);
11     }
12     // not a leap year if divisible by 100
13     // but not divisible by 400
14     else if (year % 100 == 0) {
15         printf("%d is not a leap year.", year);
16     }
17     // leap year if not divisible by 100
18     // but divisible by 4
19     else if (year % 4 == 0) {
20         printf("%d is a leap year.", year);
21     }
22     // all other years are not leap years
23     else {
24         printf("%d is not a leap year.", year);
25     }
26
27     return 0;
}
```

Output

Clear

```
/tmp/Sgxxt3xvHn.o
jaswanth 192224152Enter a year: 2002
2002 is not a leap year.
```



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Interactive C Course

main.c

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int n;
6     printf("jaswanth 192224152");
7     printf("Enter number:");
8     scanf("%d",&n);
9     int sum=0;
10    for(int i=1;i<=n;i++)
11        sum += i;
12    printf("sum of first %d numbers is: %d",n,sum);
13    return 0;
14 }
```

Run

Output

Clear

```
/tmp/Sgxxt3xvHn.o
jaswanth 192224152Enter number:49
sum of first 49 numbers is: 1225
```



main.c

```
1 #include <stdio.h>
2 int main() {
3     int n, i;
4     unsigned long long fact = 1;
5     printf("jaswanth 192224152");
6     printf("Enter an integer: ");
7     scanf("%d", &n);
8
9     // shows error if the user enters a negative integer
10    if (n < 0)
11        printf("Error! Factorial of a negative number doesn't exist.");
12    else {
13        for (i = 1; i <= n; ++i) {
14            fact *= i;
15        }
16        printf("Factorial of %d = %llu", n, fact);
17    }
18
19    return 0;
20 }
21
```

Run

Output

Clear

```
/tmp/Sgxxt3xvHn.o
jaswanth 192224152Enter an integer: 16
Factorial of 16 = 20922789888000
```



C:\Users\jaswa\OneDrive\Documents\day1.18c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug day1.c day1.4c.cpp [\*] day1.6c.cpp day1.8c.cpp day1.10c.cpp day1.12c.cpp day1.14c.cpp day1.18c.cpp

```
1 #include<stdio.h>
2 long int multiplyNumbers(int n);
3 int main()
4 {
5     int n;
6     printf("jaswanthsarma 192224152");
7     printf("Enter a positive integer: ");
8     scanf("%d",&n);
9     printf("Factorial of %d = %ld", n, multiplyNumbers(n));
10    return 0;
11 }
12
13 long int multiplyNumbers(int n) {
14     if (n>=1)
15         return n*multiplyNumbers(n-1);
16     else
17         return 1;
18 }
19
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.18c.exe
- Output Size: 129.1396484375 KiB
- Compilation Time: 0.25s

Line: 6 Col: 39 Sel: 0 Lines: 19 Length: 390 Insert Done parsing in 0.015 seconds

C:\Users\jaswa\OneDrive\Doc

```
jaswanthsarma 192224152Enter a positive integer: 5
Factorial of 5 = 120
-----
Process exited after 2.207 seconds with return value 0
Press any key to continue . . .
```

10:54 PM 3/28/2023

C:\Users\Admin\OneDrive\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

[\*] Untitled1.cpp Untitled2.cpp

```
1 #include <stdio.h>
2 #include <math.h>
3 #include <stdio.h>
4
5 int main() {
6     int start, end, count = 0, sum = 0;
7     printf("jashwanth 192224152");
8     printf("Enter the starting number of the range: ");
9     scanf("%d", &start);
10    printf("Enter the ending number of the range: ");
11    scanf("%d", &end);
12
13    for (int i = start; i <= end; i++) {
14        if (i % 5 == 0) {
15            count++;
16            sum += i;
17        }
18    }
19
20    printf("The number of integers divisible by 5 in the given range is: %d\n", count);
21    printf("The sum of all integers divisible by 5 in the given range is: %d\n", sum);
22
23    return 0;
24 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\OneDrive\Documents\Untitled2.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.42s

Line: 7 Col: 32 Sel: 0 Lines: 24 Length: 647 Insert Done parsing in 0.062 seconds

```
C:\Users\Admin\OneDrive\Documents\Untitled2.exe
jashwanth 192224152Enter the starting number of
the range: 2
Enter the ending number of the range: 5
The number of integers divisible by 5 in the giv
en range is: 1
The sum of all integers divisible by 5 in the gi
ven range is: 5

-----
Process exited after 2.991 seconds with return v
alue 0
Press any key to continue . . .
```

C:\Users\jaswa\OneDrive\Documents\day1.8c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug day1.c day1.4c.cpp [\*] day1.6c.cpp [\*] day1.8c.cpp

```
1  #include <stdio.h>
2
3  int recSum(int n)
4  {
5      if (n <= 1)
6          return n;
7
8      return n + recSum(n - 1);
9  }
10
11 int main()
12 {
13     int n = 10;
14     printf("jaswanthsarma 192224152");
15     public int __cdecl printf (const char * __restrict __Format, ...)
16     return 0;
17 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

-----











- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.8c.exe
- Output Size: 128.4599609375 KiB
- Compilation Time: 0.49s

Line: 14 Col: 36 Sel: 0 Lines: 17 Length: 251 Insert Done parsing in 0.031 seconds

C:\Users\jaswa\OneDrive\Doc

```
jaswanthsarma 192221452Sum = 55
-----
Process exited after 0.01673 seconds with return value 0
Press any key to continue . . .
```

10:04 PM  
3/28/2023



main.c

Run

```
1  #include <stdio.h>
2  int fibo(int);
3
4  int main()
5  {
6      int num;
7      int result;
8      printf("Jaswanth 192224152");
9      printf("Enter the nth number in fibonacci series: ");
10     scanf("%d", &num);
11     if (num < 0)
12     {
13         printf("Fibonacci of negative number is not possible.\n");
14     }
15     else
16     {
17         result = fibo(num);
18         printf("The %d number in fibonacci series is %d\n", num,
19             result);
19     }
```

Output

Clear

/tmp/E36cvupXZF.o  
Jaswanth 192224152Enter the nth number in fibonacci series: 31  
The 31 number in fibonacci series is 1346269

C:\Users\jaswa\OneDrive\Documents\day1.12c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug day1.c day1.4c.cpp [\*] day1.6c.cpp day1.8c.cpp day1.10c.cpp day1.12c.cpp

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int n, i;
6     printf("jaswanthsarma 192224152");
7     printf("Enter a number: ");
8     scanf("%d", &n);
9     printf("Multiplication table of %d:\n", n);
10    printf("-----\n");
11    for (i = 1; i <= 10; i++)
12        printf("%d x %d = %d\n", n, i, n * i);
13    return 0;
14 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.12c.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.33s

Line: 6 Col: 39 Sel: 0 Lines: 14 Length: 340 Insert Done parsing in 0.031 seconds

C:\Users\jaswa\OneDrive\Doc

jaswanthsarma 192224152Enter a number: 6  
Multiplication table of 6:  
-----  
6 x 1 = 6  
6 x 2 = 12  
6 x 3 = 18  
6 x 4 = 24  
6 x 5 = 30  
6 x 6 = 36  
6 x 7 = 42  
6 x 8 = 48  
6 x 9 = 54  
6 x 10 = 60  
-----  
Process exited after 1.422 seconds with return value 0  
Press any key to continue . . .

10:27 PM  
3/28/2023



C:\Users\jaswa\OneDrive\Documents\day1.4c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

day1.c day1.4c.cpp

```
1  #include <stdio.h>
2
3  long factorial(long n)
4  {
5      long i, fact = 1;
6      for (i = 1; i <= n; i++)
7      {
8          fact = fact * i;
9      }
10     return fact;
11 }
12
13 long isStrong(long n)
14 {
15     long sum = 0;
16     long i = n;
17     while (i != 0)
18     {
19         sum = sum + factorial(i % 10);
20         i = i / 10;
21     }
22     if (sum == n)
23     {
24         return 1;
25     }
26     else
27     {
28         return 0;
29     }
30 }
31
32 void printStrong(long n)
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.4c.  
- Output Size: 129.197265625 KiB  
- Compilation Time: 0.66s

Line: 47 Col: 11 Sel: 0 Lines: 52 Length: 795 Insert Done parsing in 0.032 seconds

C:\Users\jaswa\OneDrive\Doc

```
jaswanth sarma 192224152Enter the number: 5
Strong Numbers are: 1
2
```

```
-----
Process exited after 2.191 seconds with return value 0
Press any key to continue . . .
```



Search



9:34 PM  
3/28/2023

C:\Users\jaswa\OneDrive\Documents\day1.20c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug day1.c day1.4c.cpp [\*] day1.6c.cpp day1.8c.cpp day1.10c.cpp day1.12c.cpp day1.14c.cpp day1.18c.cpp

```
1 #include <stdio.h>
2
3 void floyds_triangle(int rows)
4 {
5     int i, j, k = 1;
6     for (i = 1; i <= rows; i++)
7     {
8         for (j = 1; j <= i; j++)
9         {
10             printf("%4.d ", k ++);
11         }
12         printf("\n");
13     }
14 }
15
16 int main(void)
17 {
18     int rows;
19     printf("jaswanthsarma 192224152");
20     printf("Enter the number of rows: ");
21     scanf("%d", &rows);
22
23     floyds_triangle(rows);
24
25     return 0;
26 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.20c.exe
- Output Size: 129.3115234375 KiB
- Compilation Time: 0.27s











Line: 19 Col: 39 Sel: 0 Lines: 26 Length: 442 Insert Done parsing in 0.016 seconds

C:\Users\jaswa\OneDrive\Doc

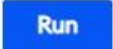


```
jaswanthsarma 192224152Enter the number of rows: 5
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15

-----
Process exited after 2.407 seconds with return value 0
Press any key to continue . . .
```

11:04 PM 3/28/2023



main.c



```
1 #include <stdio.h>
2
3 int main()
4 {
5     int i, num, sum = 0;
6     printf("Jaswanth sarma 192224152");
7
8     printf("Enter any number to check perfect number: ");
9     scanf("%d", &num);
10
11     for(i = 1; i <= num / 2; i++)
12     {
13         if(num%i == 0)
14         {
15             sum += i;
16         }
17     }
18
19     if(sum == num && num > 0)
20     {
```

Output

Clear

```
/tmp/DKK3js7iuY.o
Jaswanth sarma 192224152Enter any number to check perfect number: 23
23 is NOT PERFECT NUMBER
```

C:\Users\jaswa\OneDrive\Documents\day1.10c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug day1.c day1.4c.cpp [\*] day1.6c.cpp day1.8c.cpp day1.10c.cpp

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int x, y;
6     printf("jaswanthsarma 192224152");
7     printf("Enter Value of x ");
8     scanf("%d", &x);
9     printf("\nEnter Value of y ");
10    scanf("%d", &y);
11
12    int temp = x;
13    x = y;
14    y = temp;
15
16    printf("\nAfter Swapping: x = %d, y = %d", x, y);
17    return 0;
18 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.10c.exe

- Output Size: 128.6015625 KiB

- Compilation Time: 0.53s

Line: 6 Col: 39 Sel: 0 Lines: 18 Length: 335 Insert Done parsing in 0.016 seconds

C:\Users\jaswa\OneDrive\Doc x + v

```
jaswanthsarma 192224152Enter Value of x 4
Enter Value of y 8
After Swapping: x = 8, y = 4
-----
Process exited after 2.66 seconds with return value 0
Press any key to continue . . . |
```

10:14 PM 3/28/2023

C:\Users\jaswa\OneDrive\Documents\day1.6c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug day1.c day1.4c.cpp day1.6c.cpp

```
1 #include <stdio.h>
2 #include <math.h>
3 int main()
4 {
5     int low, high; //for taking user input for range
6     printf("jaswanthsarma 192224152");
7     printf("Enter the starting value of the range:");
8     scanf("%d", &low);
9     printf("Enter the ending value of the range: ");
10    scanf("%d", &high);
11    printf("All Armstrong numbers between %d and %d are:\n", low, high);
12    for(int n=low;n<=high;n++)
13    {
14        int num = n, rem, sum=0;
15        if(n<=9)
16        {
17            printf("%d ", n);
18        }
19        else
20        {
21            int digit = (int) log10(num) + 1; //To count number of digits
22
23            //Calculating sum of power of digits of a number
24            while(num > 0)
25            {
26                rem = num % 10; //To find last digit of the number
27                sum = sum + pow(rem, digit);
28                num = num / 10;
29            }
30
31            if (sum == n)
32            {
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.6c.exe
- Output Size: 151.8994140625 KiB
- Compilation Time: 0.49s

Line: 6 Col: 39 Sel: 0 Lines: 38 Length: 1048 Insert Done parsing in 0.031 seconds

C:\Users\jaswa\OneDrive\Doc

```
jaswanthsarma 192224152Enter the starting value of the range:5
Enter the ending value of the range: 600
All Armstrong numbers between 5 and 600 are:
5 6 7 8 9 153 370 371 407
-----
Process exited after 8.718 seconds with return value 0
Press any key to continue . . .
```

9:45 PM 3/28/2023



C:\Users\jaswa\OneDrive\Documents\day1.14c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug day1.c day1.4c.cpp [\*] day1.6c.cpp day1.8c.cpp day1.10c.cpp day1.12c.cpp day1.14c.cpp

```
1 #include <stdio.h>
2 int main() {
3
4     int i, n;
5
6     int t1 = 0, t2 = 1;
7
8     int nextTerm = t1 + t2;
9
10    printf("Enter the number of terms: ");
11    scanf("%d", &n);
12
13    printf("Fibonacci Series: %d, %d, ", t1, t2);
14
15    for (i = 3; i <= n; ++i)
16    {
17        printf("jaswanthsarma 192224152");
18        public int __cdecl printf(const char * __restrict __Format, ...)
19
20        t2 = nextTerm;
21        nextTerm = t1 + t2;
22    }
23
24    return 0;
25 }
26
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.14c.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.27s

Line: 17 Col: 26 Sel: 0 Lines: 26 Length: 411 Insert Done parsing in 0.016 seconds

C:\Users\jaswa\OneDrive\Doc

```
Enter the number of terms: 2
Fibonacci Series: 0, 1,
-----
Process exited after 2.304 seconds with return value 0
Press any key to continue . . .
```

10:47 PM 3/28/2023

C:\Users\jaswa\OneDrive\Documents\day1.c - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug day1.c

```
1 #include <math.h>
2 #include <stdio.h>
3 int main()
4 {
5     int n, i, flag = 1;
6     printf("b jaswanth sarma 192224152");
7     public int __cdecl printf (const char * __restrict__ _Format, ...)
8
9     scanf("%d", &n);
10
11     for (i = 2; i <= sqrt(n); i++) {
12
13         if (n % i == 0) {
14             flag = 0;
15             break;
16         }
17     }
18
19     if (n <= 1)
20         flag = 0;
21
22     if (flag == 1) {
23         printf("%d is a prime number", n);
24     }
25     else {
26         printf("%d is not a prime number", n);
27     }
28
29     return 0;
30 }
31
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.exe  
- Output Size: 133.0390625 KiB  
- Compilation Time: 0.36s

Line: 6 Col: 40 Sel: 0 Lines: 31 Length: 526 Insert Done parsing in 0.031 seconds

C:\Users\jaswa\OneDrive\Doc

```
b jaswanth sarma 192224152Enter a number:
11
11 is a prime number
-----
Process exited after 2.274 seconds with return value 0
Press any key to continue . . .
```

9:14 PM 3/28/2023