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.

```c
1   #include <stdio.h>
2
3   int main()
4   {
5       int n, i;
6       printf("sudheer 192210249");
7           public int __cdecl printf (const char * __restrict__ _Format, ...)
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: 0.69s
```

ne:  6      Col:  30      Sel:  0      Lines:  14      Length:  334      Insert      Done parsing in 0.031 seconds

```
sudheer 192210249Enter a number: 3
Multiplication table of 3:
---------------------------
3 x 1 = 3
3 x 2 = 6
3 x 3 = 9
3 x 4 = 12
3 x 5 = 15
3 x 6 = 18
3 x 7 = 21
3 x 8 = 24
3 x 9 = 27
3 x 10 = 30

-----------------------------------
Process exited after 2.741 seconds with return value 0
Press any key to continue . . .
```

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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

```c
21          }
22          if (sum == n)
23          {
24              return 1;
25          }
26          else
27          {
28              return 0;
29          }
30      }
31
32      void printStrong(long n)
33      {
34          long i;
35          for (i = 1; i <= n; i++)
36          {
37              if (isStrong(i) == 1)
38              {
39                  printf("%ld\n", i);
40              }
41          }
42      }
43
44      int main(void)
45      {
46          long n;
47          printf(" soumil 192210249");
48          printf("Enter the number: ");
49          scanf("%ld", &n);
50          printf("Strong Numbers are: ");
51          printStrong(n);
52      }
```

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.exe
- Output Size: 129.197265625 KiB
- Compilation Time: 0.64s
```

Shorten compiler paths

ne: 47    Col: 30    Sel: 16    Lines: 52    Length: 788    Insert    Done parsing in 0.046 seconds

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```
soumil 192210249Enter the number: 4
Strong Numbers are: 1
2

------------------------------------
Process exited after 2.439 seconds with return value 0
Press any key to continue . . .
```

Scanned with OKEN Scanner

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

Project   Classes   Debug

day1.12c.cpp      day1.14c.cpp      [*] day1.18c.cpp      day1.20c.cpp
day1.c      [*] day1.4c.cpp      day1.6c.cpp      day1.8c.cpp      day1.10c.cpp

```c
1    #include <stdio.h>
2
3    int main()
4    {
5        public int __cdecl printf (const char * __restrict__ _Format, ...)
6
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

```
Compilation results...
---------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.10c.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.69s
```

Shorten compiler paths

---

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```
manoj 192224167Enter Value of x 12

Enter Value of y 6

After Swapping: x = 6, y = 12
------------------------------------

Process exited after 13.15 seconds with return value 0
Press any key to continue . . .
```

File  Edit  Search  View  Project  Execute  Tools  AStyle  Window  Help

TDM-GCC 4.9

(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**

```c
1   #include<stdio.h>
2   long int multiplyNumbers(int n);
3   int main()
4   {
5       int n;
6       printf("sudheer 192210249");
7       public int __cdecl printf (const char * __restrict__ _Format, ...)
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: 0.42s
```

```
sudheer 192210249Enter a positive integer: 2
Factorial of 2 = 2
------------------------------------
Process exited after 2.807 seconds with return value 0
Press any key to continue . . .
```

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ile  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  [*] day1.1

```c
1    #include <stdio.h>
2
3    int main()
4    {
5        int x, y;
6        printf("soumil 192210249");
7        public int __cdecl printf (const char * __restrict__ _Format, ...)
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

Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.10c.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.55s

Abort Compilation

☐ Shorten compiler paths

---

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soumil 192210249Enter Value of x 6

Enter Value of y 9

After Swapping: x = 9, y = 6
------------------------------------
Process exited after 4.436 seconds with return value 0
Press any key to continue . . .

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  [*] day

```c
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("sudheer 192210249");
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: 0.75s
```

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```
sudheer 192210249Sum = 55
-------------------------------------
Process exited after 0.01741 seconds with return value 0
Press any key to continue . . .
```

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```c
#include <stdio.h>

int main()
{
    int x, y;
    printf("sudheer 192210249");
    scanf("%d", &x);
    printf("\nEnter Value of y ");
    scanf("%d", &y);

    int temp = x;
    x = y;
    y = temp;

    printf("\nAfter Swapping: x = %d, y = %d", x, y);
    return 0;
}
```

public int __cdecl printf (const char * __restrict__ _Format, ...)

Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.10c.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.45s

```
sudheer 192210249Enter Value of x 6

Enter Value of y 3

After Swapping: x = 3, y = 6
----------------------------------
Process exited after 5.408 seconds with return value 0
Press any key to continue . . .
```

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

```
21          }
22          if (sum == n)
23          {
24              return 1;
25          }
26          else
27          {
28              return 0;
29          }
30      }
31
32      void printStrong(long n)
33      {
34          long i;
35          for (i = 1; i <= n; i++)
36          {
37              if (isStrong(i) == 1)
38              {
39                  printf("%ld\n", i);
40              }
41          }
42      }
43
44      int main(void)
45      {
46          long n;
47          printf("sudheer 192210249");
48          printf("Enter the number: ");
49          scanf("%ld", &n);
50          printf("Strong Numbers are: ");
51          printStrong(n);
52      }
```

**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.exe
- Output Size: 129.197265625 KiB
- Compilation Time: 0.63s
```

☐ Shorten compiler paths

Col: 47   Col: 30   Sel: 17   Lines: 52   Length: 733   Insert   Done parsing in 0.016 seconds

---

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```
sudheer 192210249Enter the number: 2
Strong Numbers are: 1
2

------------------------------------
Process exited after 1.881 seconds with return value 0
Press any key to continue . . .
```

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  [*] day

```c
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("soumil 192210249");
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: 0.70s
```

```
soumil 192210249Sum = 55
-----------------------------------
Process exited after 0.03334 seconds with return value 0
Press any key to continue . . .
```

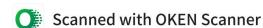Scanned with OKEN Scanner

```c
#include <stdio.h>
int main() {
    char c;
    printf("sudheer 192210249");
    printf("Enter a character: ");
    scanf("%c", &c);

    if ((c >= 'a' && c <= 'z') || (c >= 'A' && c <= 'Z'))
        printf("%c is an alphabet.", c);
    else
        printf("%c is not an alphabet.", c);

    return 0;
}
```

```
/tmp/XanKDGKkoV.o
sudheer 192210249Enter a character: cv
c is an alphabet.
```

```c
1  #include <stdio.h>
2  void main()
3  {
4      int num;
5      printf("sudheer  192210249");
6      printf("Input a number :");
7      scanf("%d", &num);
8      if (num >= 0)
9          printf("%d is a positive number \n", num);
10     else
11         printf("%d is a negative number \n", num);
12 }
```

/tmp/XanKDGKkoV.o
sudheer  192210249Input a number :-8
-8 is a negative number

```
Enter the number of terms: 1
Fibonacci Series: 0, 1,
-----------------------------------
Process exited after 4.47 seconds with return value 0
Press any key to continue . . .
```

(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

```c
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("sudheer 192210249");
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

```
Compilation results...
---------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.14c.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.58s
```

☐ Shorten compiler paths

```c
#include<stdio.h>

int main() {
    char ch;
    printf("sudheer 192210249");
    printf("\nEnter The Character : ");
    scanf("%c", &ch);

    if (ch >= 'A' && ch <= 'Z')
        printf("Character is Upper Case Letters");
    else
        printf("Character is Not Upper Case Letters");

    return (0);
}
```

```
/tmp/XanKDGKkoV.o
sudheer 192210249
Enter The Character : s
Character is Not Upper Case Letters
```

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  [*]

```c
1    #include <stdio.h>
2    #include <math.h>
3    int main()
4    {
5        int low, high;
6        printf("sudheer 192210249");
7        public int __cdecl printf (const char * __restrict__ _Format, ...)
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;
22
23               while(num > 0)
24               {
25                   rem = num % 10;
26                   sum = sum + pow(rem,digit);
27                   num = num / 10;
28               }
29
30               if (sum == n)
31               {
32                   printf("%d ", n);
```

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\day1.6c.exe
- Output Size: 151.8994140625 KiB
- Compilation Time: 0.52s
```

```
sudheer 192210249Enter the starting value of the range:7
Enter the ending value of the range: 8
All Armstrong numbers between 7 and 8 are:
7 8
------------------------------------
Process exited after 8.51 seconds with return value 0
Press any key to continue . . .
```

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ile  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

```c
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("sudheer 192210249");
20       public int __cdecl printf (const char * __restrict__ _Format, ...)
21       scanf("%d", &rows);
22
23       floyds_triangle(rows);
24
25       return 0;
26   }
```

Compiler   Resources   Compile Log   ✓ Debug   Find Results   Close

Abort Compilation

Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.20c.exe
- Output Size: 129.3115234375 KiB
- Compilation Time: 0.67s

☐ Shorten compiler paths

Done parsing in 0.031 seconds

---

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```
sudheer 192210249Enter the number of rows: 6
  1
  2    3
  4    5    6
  7    8    9    10
 11   12   13   14   15
 16   17   18   19   20   21

------------------------------------
Process exited after 4.366 seconds with return value 0
Press any key to continue . . .
```