File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug sfsfydres.cpp

```c
1    #include <stdio.h>
2    #include <string.h>
3
4    int main()
5    {
6        char str1[100], str2[100];
7        int freq1[26] = {0}, freq2[26] = {0}, i, len1, len2;
8
9        printf("Enter the first string: ");
10       gets(str1);
11
12       printf("Enter the second string: ");
13       gets(str2);
14
15       len1 = strlen(str1);
16       len2 = strlen(str2);
17
18       if (len1 != len2)
19       {
20           printf("Strings are not anagrams.\n");
21           return 0;
22       }
23
24
25       for (i = 0; i < len1; i++)
```

E:\sfsfydres.exe

```
Enter the first string: "hectare"
Enter the second string: "teacher"
Strings are anagrams.
192210305-soumil rao
------------------------------------

Process exited after 35.25 seconds with return value 0

Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

```
Compilation results...
---------
- Errors: 0
- Warnings: 0
- Output Filename: E:\sfsfydres.exe
- Output Size: 129.26953125 KiB
- Compilation Time: 0.70s
```

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug   asss3.cpp

```c
1    #include <stdio.h>
2    #include <string.h>
3
4    #define MAX_SIZE 100
5
6    int main()
7    {
8        char str[MAX_SIZE];
9        int freq[MAX_SIZE];
10       int i, j, max, index;
11
12       printf("Enter a string: ");
13       gets(str);
14
15
16       for(i = 0; i < strlen(str); i++)
17       {
18           freq[i] = 0;
19       }
20
21
22       for(i = 0; i < strlen(str); i++)
23       {
24           for(j = i+1; j < strlen(str); j++)
25           {
```

Terminal output:

```
E:\asss3.exe

Enter a string: soumil rao
Max repeated character in the string = o
It occurs 2 times192210305-soumil rao
-----------------------------------
Process exited after 10.08 seconds with return value
0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: E:\asss3.exe
- Output Size: 128.6005859375 KiB
- Compilation Time: 0.49s

Shorten compiler paths

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project   Classes   Debug   sfsfydres.cpp

```c
#include <stdio.h>

int main()
{
    char str[100];
    int sum = 0;
    int i;

    printf("Enter the string: ");
    gets(str);

    for(i = 0; str[i] != '\0'; i++)
    {
        sum += (int) str[i];
    }

    printf("Sum of all characters: %d\n", sum);
    printf("192210305-soumil rao");

    return 0;
}
```

Terminal output:
```
Enter the string:  Welcome to Sanfoundry's C Programming Class, Welcome Again to C
Sum of all characters: 5740
192210305-soumil rao
-----------------------------------
Process exited after 35.73 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

☐ Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: E:\sfsfydres.exe
- Output Size: 128.6005859375 KiB
- Compilation Time: 0.34s
```

Scanned with OKEN Scanner

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

sfsfydres.cpp

```c
1    #include <stdio.h>
2    #include <string.h>
3
4    void swap(char *a, char *b)
5    {
6        char temp = *a;
7        *a = *b;
8        *b = temp;
9    }
10
11   void permute(char *str, int start, int end)
12   {
13       if (start == end)
14           printf("%s\n", str);
15       else {
16           for (int i = start; i <= end; i++) {
17               swap(str + start, str + i);
18               permute(str, start + 1, end);
19               swap(str + start, str + i);
20           }
21       }
22   }
23
24   int main()
25   {
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: E:\sfsfydres.exe
- Output Size: 129.33203125 KiB
- Compilation Time: 0.33s
```
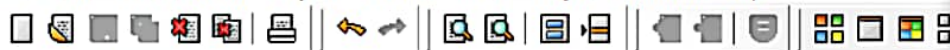
Shorten compiler paths

E:\sfsfydres.exe

```
Enter a string: SAN
All possible permutations are:
SAN
SNA
ASN
ANS
NAS
NSA
192210305-soumil rao
--------------------------------

Process exited after 5.078 seconds with return
value 0
Press any key to continue . . .
```

C:\Users\user\Desktop\ass 3.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

ass 3.cpp

```c
1    #include <stdio.h>
2    #include <string.h>
3
4    void reverseString(char str[]);
5
6    int main()
7    {
8        char str[100];
9        printf("192210305-soummil");
10       public int __cdecl printf (const char *  __r
11       printf( Enter a string: );
12       fgets(str, sizeof(str), stdin);
13
14       str[strcspn(str, "\n")] = '\0';
15
16       reverseString(str);
17
18       printf("Reversed string is: %s\n", str);
19
20       return 0;
21   }
22
23   void reverseString(char str[])
```

C:\Users\user\Desktop\ass 3.exe

```
192210266-bhargavEnter a string: college
Reversed string is: egelloc

--------------------------------
Process exited after 10.52 seconds with return value 0
Press any key to continue . . .
```

Scanned with OKEN Scanner

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project   Classes   Debug

sudharshan.cpp

```c
1   #include <stdio.h>
2
3   int gcd(int a, int b);
4
5   int main()
6   {
7       int num1, num2;
8
9       printf("Enter two positive integers: ");
10      printf("192210305 soumil");
11                  public int __cdecl printf (const char * __restrict__ _Format, ...)
12      scanf("%d %d", &num1, &num2);
13
14      printf("GCD of %d and %d is %d\n", num1, num2, gcd(num1, num2));
15
16      return 0;
17  }
18
19  int gcd(int a, int b)
20  {
21      if (b == 0)
22      {
23          return a;
24      }
25      else
26      {
```

Compile Log   Debug   Find Results   Close

C:\Users\student\Documents\sudharshan.exe

```
Enter two positive integers: 192210305 soumil4
2
GCD of 4 and 2 is 2

------------------------------------
Process exited after 2.997 seconds with return value 0
Press any key to continue . . .
```

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

TDM-GCC 4.9.2 64-bit Release

Project   Classes   Debug

manojsai saravanan.cpp   sousaravanan.cpp   manomil.cpp

```c
3      int isPrime(int num);
4
5      int main() {
6          int start, end, i, flag;
7
8          printf("Enter two positive integers: ");
9          printf("192210305 soumil");
10         public int __cdecl printf (const char * __restrict__ _Format, ...)
11
12         printf("Prime numbers between %d and %d are: ", start, end);
13
14         for(i=start+1; i<end; ++i) {
15             flag = isPrime(i);
16             if(flag == 1)
17                 printf("%d ", i);
18         }
19
20         return 0;
21     }
22
23     int isPrime(int num) {
24         int i;
25         for(i=2; i<=num/2; ++i) {
26             if(num%i == 0) {
27                 return 0;
28             }
```

```
C:\Users\student\Documents\manomil.exe

Enter two positive integers: 192210305 soumil12
30
Prime numbers between 12 and 30 are: 13 17 19 23 29
------------------------------------
Process exited after 4.34 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student\Documents\manomil.exe
- Output Size: 129.130859375 KiB
- Compilation Time: 0.13s
```

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project   Classes   Debug

bharsav.cpp

```c
1       #include <stdio.h>
2
3
4       int is_prime(int n) {
5           int i;
6           for (i = 2; i <= n/2; i++) {
7               if (n % i == 0) {
8                   return 0;
9               }
10          }
11          return 1;
12      }
13
14      int main() {
15          int n, i, j;
16          printf("Enter a positive integer: ");
17          printf("192210305 soumil");
18          public int __cdecl printf (const char * __restrict__ _Format, ...)
19          printf("%d = ", n);
20          for (i = 2; i <= n/2; i++) {
21              if (is_prime(i)) {
22                  for (j = 2; j <= n/2; j++) {
23                      if (is_prime(j) && i+j == n) {
24                          printf("%d + %d\n", i, j);
25                      }
26                  }
```

C:\Users\student\Documents\bharsav.exe

```
Enter a positive integer: 192210305 soumil34
34 = 17 + 17

------------------------------------------------
Process exited after 2.012 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student\Documents\bharsav.exe
- Output Size: 128.6318359375 KiB
- Compilation Time: 0.13s
```

Scanned with OKEN Scanner

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

Project   Classes   Debug   sudharshan.cpp   manosai.cpp

```c
#include <stdio.h>

int main() {
    int num1, num2, lcm, max;

    printf("Enter two numbers: ");
    printf("192210305 soumil");

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

    // determine the maximum between num1 and num2
    max = (num1 > num2) ? num1 : num2;

    // loop until lcm is found
    while (1) {
        if (max % num1 == 0 && max % num2 == 0) {
            lcm = max;
            break;
        }
        ++max;
    }

    printf("LCM of %d and %d is %d.\n", num1, num2, lcm);

    return 0;
}
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student\Documents\manosai.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.11s

Abort Compilation

Shorten compiler paths

C:\Users\student\Documents\manosai.exe

```
Enter two numbers: 192210305 soumil10
15
LCM of 10 and 15 is 30.

------------------------------------
Process exited after 5.055 seconds with return value 0
Press any key to continue . . .
```

Scanned with OKEN Scanner

```
1       #include <stdio.h>
2
3  ⊟ int main() {
4          int arr1[10], arr2[10];
5          int i, *p1, *p2;
6
7          printf("Enter array1 elements: ");
8  ⊟      for (i = 0; i < 10; i++) {
9              scanf("%d", &arr1[i]);
10 ⊦      }
11
12         p1 = arr1;
13         p2 = arr2;
14
15 ⊟      for (i = 0; i < 10; i++) {
16             *p2 = *p1;
17             p1++;
18             p2++;
19 ⊦      }
20
21         printf("\nArray1: ");
22 ⊟      for (i = 0; i < 10; i++) {
23             printf("%d ", arr1[i]);
24 ⊦      }
25
```

🖳 Compiler 📑 Resources 📊 Compile Log ✓ Debug 🔍 Find Results ❌ Close

Abort Compilation

☐ Shorten compiler paths

```
Compilation results...
---------
- Errors: 0
- Warnings: 0
- Output Filename: E:\sfsfydres.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.80s
```

E:\sfsfydres.exe   ✕   +   ∨   — ◻ ✕

```
Enter array1 elements: 10 -1 100 90 87 0 15 10 20 30

Array1: 10 -1 100 90 87 0 15 10 20 30
Array2: 10 -1 100 90 87 0 15 10 20 30 192210305-soumil rao
------------------------------------
Process exited after 13.61 seconds with return value 0
Press any key to continue . . . |
```