

```

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("192224167 manoj sai");
18     public int __cdecl printf (const char * __restrict __Format, ...)
19     printf("%d\n", 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             }
27         }
28     }
29 }

```

Compilation results...

```

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

```

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

```

Enter a positive integer: 192224167 manoj sai34
34 = 17 + 17

```

```

-----
Process exited after 2.132 seconds with return value 0
Press any key to continue . . .

```



C:\Users\student\Documents\sudharshan.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

sudharshan.cpp

```
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("192224167 manoj sai4");
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     {
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student\Documents\sudharshan.exe
- Output Size: 129.119140625 KiB
- Compilation Time: 0.13s
```

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

```
Enter two positive integers: 192224167 manoj sai4
2
GCD of 4 and 2 is 2

-----
Process exited after 3.42 seconds with return value 0
Press any key to continue . . .
```



C:\Users\student\Documents\manomil.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 manoj sai saravanan.cpp sousaravanan.cpp manomil.cpp

```
3 int isPrime(int num);
4
5 int main() {
6     int start, end, i, flag;
7
8     printf("Enter two positive integers: ");
9     printf("192224167 manoj sai");
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         }
29     }
30 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

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

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

```
Enter two positive integers: 192224167 manoj sai12
30
Prime numbers between 12 and 30 are: 13 17 19 23 29
-----
Process exited after 4.493 seconds with return value 0
Press any key to continue . . .
```



C:\Users\student\Documents\manosai.cpp - [executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help



IDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug sudharshan.cpp manosai.cpp

```
1  #include <stdio.h>
2
3  int main() {
4      int num1, num2, lcm, max;
5
6      printf("Enter two numbers: ");
7      printf("192224167 manoj sai");
8      public int __cdecl printf (const char * __restrict __Format, ...)
9
10     // determine the maximum between num1 and num2
11     max = (num1 > num2) ? num1 : num2;
12
13     // loop until lcm is found
14     while (1) {
15         if (max % num1 == 0 && max % num2 == 0) {
16             lcm = max;
17             break;
18         }
19         ++max;
20     }
21
22     printf("LCM of %d and %d is %d.\n", num1, num2, lcm);
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\student\Documents\manosai.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.13s
```

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

```
Enter two numbers: 192224167 manoj sai10
15
LCM of 10 and 15 is 30.
```

```
-----
Process exited after 5.007 seconds with return value 0
Press any key to continue . . .
```



E:\stsfydres.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 sfsfydres.cpp

```
1  #include <stdio.h>
2
3  int main()
4  {
5      char str[100];
6      int sum = 0;
7      int i;
8
9      printf("Enter the string: ");
10     gets(str);
11
12     for(i = 0; str[i] != '\0'; i++)
13     {
14         sum += (int) str[i];
15     }
16
17     printf("Sum of all characters: %d\n", sum);
18     printf("192210249-sudheer reddy");
19
20     return 0;
21 }
22
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

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

E:\sfsfydres.exe

Enter the string: Welcome to Sanfoundry's C Programming Class, Welcome Again to C
Sum of all characters: 5708
192210249-sudheer reddy

Process exited after 4.272 seconds with return value 0
Press any key to continue . . . |



E:\stsfydres.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 sfsfydres.cpp

```
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 {
26     . . . . .
27 }
```

Compiler Resources CompileLog Debug Find Results Close

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: E:\sfsfydres.exe
- Output Size: 129.33203125 KiB
- Compilation Time: 0.30s
```

E:\sfsfydres.exe

Enter a string: SAN
All possible permutations are:

SAN
SNA
ASN
ANS
NAS
NSA
192210249-sudheer reddy

Process exited after 5.819 seconds with return value 0
Press any key to continue . . .



E:\asss3.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

asss3.cpp

```
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        {
26            ...
27        }
28    }
29 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: E:\asss3.exe
- Output Size: 128.6005859375 KiB
- Compilation Time: 0.30s

Shorten compiler paths

E:\asss3.exe

```
Enter a string: sudheer reddy
Max repeated character in the string = d
It occurs 3 times192210249-sudheer reddy
-----
Process exited after 8.691 seconds with return value 0
Press any key to continue . . .
```



C:\Users\user\Desktop\ass 3.cpp - 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

[*] ass 3.cpp

```
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("192210249-sudheer");
10     public int __cdecl printf (const char * __res
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: sudhher
Reversed string is: rehhdus

Process exited after 5.611 seconds with return value 0
Press any key to continue . . .



E:\tyd5dd.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Compiler Resources Compile Log Debug Find Results Close

(globals)

Project Classes Debug

tyd5dd.cpp

```
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

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: E:\tyd5dd.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.34s
```

E:\tyd5dd.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 192210249-sudheer reddy

Process exited after 40.94 seconds with return value 0

Press any key to continue . . . |



E:\sfsfydres.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

sfsfydres.cpp

```
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     public int __cdecl printf (const char * __restrict __format, ...)
24
25     for (i = 0; i < len1; i++)
```

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: 0.30s
```

E:\sfsfydres.exe

```
Enter the first string: "hectare"
Enter the second string: "teacher"
Strings are anagrams.
192210249-sudheer reddy
```

```
-----
Process exited after 80.45 seconds with return value 0
Press any key to continue . . .
```

