

D:\C\y=x^n.c - 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 y=x^n.c Palindrome.c Armstrong.c Digits(Sum).c Argument.c HCF and LCM.c Call-by-value.c

```
1 //Question 1.
2 #include <stdio.h>
3
4 void fun(int, int);
5 int main()
6 {
7     int x, n;
8     printf("Enter the values of x and n : ");
9     scanf("%d %d", &x, &n);
10    fun(x, n);
11 }
12 void fun(int a, int b)
13 {
14     int i, f = 1;
15     for (i = 0; i < b; i++)
16     {
17         f = f * a;
18     }
19     printf("The result is %d\n", f);
20 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0
- Warnings: 0
- Output Filename: D:\C\HCF and LCM.exe
- Output Size: 129.2880859375 KiB
- Compilation Time: 0.50s

☐ Shorten compiler paths

Line: 20 Col: 3 Sel: 0 Lines: 20 Length: 334 Insert Done parsing in 0.016 seconds



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ENG

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10-06-2021

D:\C\Palindrome.c - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug y=x^n.c Palindrome.c Armstrong.c Digits(Sum).c Argument.c HCF and LCM.c Call-by-value.c

```
1 //Question 2.
2 #include<stdio.h>
3 int main()
4 {
5     int n,t,s,r;
6     printf("Enter a number : ");
7     scanf("%d",&n);
8     t=n;
9     s=0;
10    while(n>0)
11    {
12        r=n%10;
13        s=(s*10)+r;
14        n=n/10;
15    }
16    if(t==s)
17        printf("%d is a palindrome number",t);
18    else
19        printf("%d is not a palindrome number",t);
20    return 0;
21 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0
- Warnings: 0
- Output Filename: D:\C\y=x^n.exe
- Output Size: 128.619140625 KiB
- Compilation Time: 0.49s

☐ Shorten compiler paths

Line: 20 Col: 15 Sel: 0 Lines: 21 Length: 313 Insert Done parsing in 0.032 seconds



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D:\C\Palindrome.c - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

y= D:\C\Palindrome.exe

```
1 Enter a number : 12321
2 12321 is a palindrome number
3 -----
4 Process exited after 6.398 seconds with return value 0
5 Press any key to continue . . .
6
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```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

```
- Errors: 0
- Warnings: 0
- Output Filename: D:\C\Palindrome.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.48s
```

☐ Shorten compiler paths

Line: 20 Col: 15 Sel: 0 Lines: 21 Length: 313 Insert Done parsing in 0.032 seconds



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10-06-2021



```
1 //Question 3.
2 #include<stdio.h>
3 int main()
4 {
5     int n,num,d,sum=0,cube;
6     printf("Enter a number : ");
7     scanf("%d",&num);
8     n=num;
9     while(n>0)
10    {
11        d=n%10;
12        n=n/10;
13        cube=d*d*d;
14        sum=sum+cube;
15    }
16    if(sum==num)
17        printf("The number %d is an armstrong number",sum);
18    else
19        printf("The number %d is not an armstrong number",sum);
20    return 0;
21 }
```

Abort Compilation

```
- Errors: 0
- Warnings: 0
- Output Filename: D:\C\Palindrome.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.48s
```

☐ Shorten compiler paths

D:\C\Armstrong.c - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

Project Classes Debug

D:\C\Armstrong.exe

```
1 Enter a number : 153
2 The number 153 is an armstrong number
3 -----
4 Process exited after 6.652 seconds with return value 0
5 Press any key to continue . . .
6
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13
14
15
16
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```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

```
- Errors: 0
- Warnings: 0
- Output Filename: D:\C\Armstrong.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.44s
```

☐ Shorten compiler paths

Line: 20 Col: 15 Sel: 0 Lines: 21 Length: 364 Insert Done parsing in 0.016 seconds



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30°C Haze

ENG

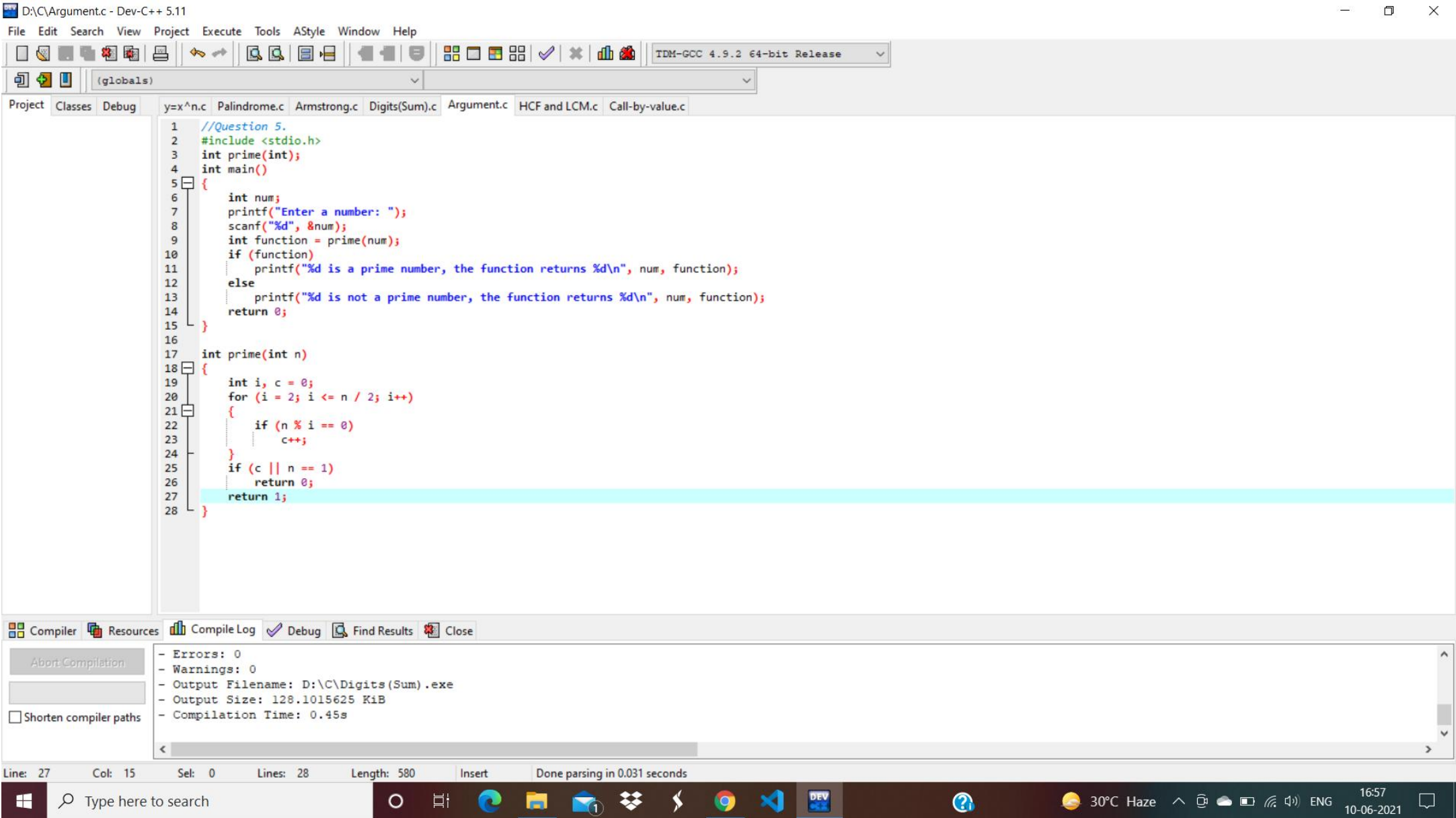
16:57
10-06-2021

```
1 //Question 4.
2 #include<stdio.h>
3 int main()
4 {
5     int n,s=0,d;
6     printf("Enter a number : ");
7     scanf("%d",&n);
8     while(n>0)
9     {
10        d=n%10;
11        s=s+d;
12        n=n/10;
13    }
14    printf("The sum of digits is : %d",s);
15    return 0;
16 }
```

Abort Compilation

Shorten compiler paths

- Errors: 0
- Warnings: 0
- Output Filename: D:\C\Armstrong.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.44s



D:\C\Argument.c - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

Project Classes Debug

D:\C\Argument.exe

Enter a number: 5
5 is a prime number, the function returns 1

Process exited after 5.163 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

- Errors: 0
- Warnings: 0
- Output Filename: D:\C\Argument.exe
- Output Size: 129.119140625 KiB
- Compilation Time: 0.50s

Line: 27 Col: 15 Sel: 0 Lines: 28 Length: 580 Insert Done parsing in 0.031 seconds

Windows Search Type here to search

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16:58 10-06-2021

```
1 //Question 6.
2 #include<stdio.h>
3 void lcm_gcd(int ,int);
4 main()
5 {
6     int a,b;
7
8     printf("Enter two Numbers\n");
9     scanf("%d %d",&a,&b);
10    lcm_gcd(a,b);
11 }
12 void lcm_gcd(int i,int j)
13 {
14     int gcd,lcm,remainder,numerator,denominator;
15     if (i>j)
16     {
17         numerator=i;
18         denominator=j;
19     }
20     else
21     {
22         numerator=j;
23         denominator=i;
24     }
25     remainder=numerator%denominator;
26     while (remainder!=0)
27     {
28         numerator=denominator;
29         denominator=remainder;
30         remainder=numerator%denominator;
31     }
32     gcd = denominator;
33     lcm = (i*j)/gcd;
34
35     printf("GCD of %d and %d = %d\n",i,j,gcd);
36     printf("LCM of %d and %d = %d\n",i,j,lcm);
37 }
```

Abort Compilation

```
- Errors: 0
- Warnings: 0
- Output Filename: D:\C\Argument.exe
- Output Size: 129.119140625 KiB
```

☐ Shorten compiler paths

Line: 37 Col: 3 Sel: 0 Lines: 37 Length: 730 Insert Done parsing in 0.016 seconds



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D:\C\Call-by-value.c - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug y=x^n.c Palindrome.c Armstrong.c Digits(Sum).c Argument.c HCF and LCM.c Call-by-value.c

```
1 //Question 7.
2 #include <stdio.h>
3 int func(int a, int b)
4 {
5     a += b;
6     printf("In func, a = %d b = %d\n", a, b);
7 }
8 int main()
9 {
10     int x = 3, y = 8;
11     func(x, y);
12     printf("In main, x = %d y = %d\n", x, y);
13     return 0;
14 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\HCF and LCM.exe
- Output Size: 129.2880859375 KiB
- Compilation Time: 0.47s

☐ Shorten compiler paths

Line: 13 Col: 15 Sel: 0 Lines: 14 Length: 247 Insert Done parsing in 0.016 seconds



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ENG

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