



C:\Users\Admin\Documents\c progrma.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

c progrma.cpp

main() : int

```
1  #include<stdio.h>
2  #include<stdlib.h>
3
4  int main()
5  {
6      int num1,num2,i,j,flag,temp,count=0;
7
8      printf("Enter the valve of num1 and num2\n");
9      scanf("%d%d", &num1,&num2);
10     if (num2<2)
11     {
12         printf("There are no primes upto %d\n",num2);
13         exit(0);
14     }
15     printf("Prime numbers ar\n");
16     temp=num1;
17     if(num1%2==0)
18     {
19         num1++;
20     }
21     for (i=num1; i<=num2; i=i+2)
22     {
23         flag=0;
24         for (j=2; j<=i/2; j++)
25         {
26             if ((i%j)==0)
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\Documents\c progrma.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.73s

Shorten compiler paths

Line: 39 Col: 14 Sel: 0 Lines: 40 Length: 624 Insert Done parsing in 0.016 seconds

Type here to search

12:16
28-03-2023

C:\Users\Admin\Documents\c progrma.cpp - Dev-C++ 5.11

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(globals) TDM-GCC 4.9.2 64-bit Release

Project Classes Debug c progrma.cpp

```
15 printf("Prime numbers ar\n");
16 temp=num1;
17 if(num1%2==0)
18 {
19     num1++;
20 }
21 for (i=num1; i<=num2; i=i+2)
22 {
23     flag=0;
24     for (j=2; j<=i/2; j++)
25     {
26         if ((i%j)==0)
27         {
28             flag=1;
29             break;
30         }
31     }
32     if(flag == 0)
33     {
34         printf("%d\n",i);
35         count++;
36     }
37 }
38 printf("Number of primes between %d & %d=%d\n",temp,num2,count);
39 return 0;
40 }
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

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☐ Shorten compiler paths

Line: 39 Col: 14 Sel: 0 Lines: 40 Length: 624 Insert Done parsing in 0.016 seconds

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C:\Users\Admin\Documents\day 1 program 2.cpp - Dev-C++ 5.11

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(globals)

Project Classes Debug day 1 program 2.cpp

main() : int

```
1 #include<stdio.h>
2 int main()
3 {
4     int a,b,i,flag;
5     printf("Enter the start value:");
6     scanf("%d",&a);
7     printf("Enter te end value:");
8     scanf("%d",&b);
9     printf("Prime numbers between %d and %d:",a,b);
10    while(a<b)
11    {
12        flag=0;
13        for(i=2;i<=a/2; ++i)
14        {
15            if (a%i==0)
16            {
17                flag=1;
18                break;
19            }
20        }
21        if (flag==0)
22            printf("%d",a);
23        ++a;
24        printf("\n");
25    }
26    return 0;}
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\Admin\Documents\day 1 program 2.exe

- Output Size: 129.29296875 KiB

- Compilation Time: 0.61s

Line: 26 Col: 14 Sel: 0 Lines: 27 Length: 400 Insert Done parsing in 0.047 seconds

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13:47 28-03-2023

C:\Users\Admin\Documents\program 2.cpp - Dev-C++ 5.11

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(globals)

Project Classes Debug day 1 program 2.cpp program 2.cpp

```
1 #include<stdio.h>
2 int main()
3 {
4     int num,rem,sum=0,i;
5     printf("Enter a number\n");
6     scanf("%d",&num);
7     for(i=1;i<num;i++)
8     {
9         rem = num%i;
10        if(rem==0)
11        {
12            sum=sum+i;
13        }
14    }
15    if(sum==num)
16    printf("%d is a prefect number");
17    else
18    printf("%d is not a perfect number");
19    return 0;
20 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\Admin\Documents\program 2.exe

- Output Size: 128.7705078125 KiB

- Compilation Time: 0.41s

Line: 18 Col: 11 Sel: 0 Lines: 20 Length: 306 Insert Done parsing in 0.016 seconds

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14:15 28-03-2023

C:\Users\Admin\Documents\program 3.cpp - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug day 1 program 2.cpp program 2.cpp program 3.cpp

main() : int

```
1 #include<stdio.h>
2 int main()
3
4     int n,i,m=0,flag=0;
5     printf("Enter the number to check prime:");
6     scanf("%d",&n);
7     m=n/2;
8     for(i=2;i<=m;i++)
9     {
10         if(n%i==0)
11         {
12             printf("Number is not prime;");
13             flag=1;
14             break;
15         }
16     }
17     if(flag==0)
18     printf("Number is a prime ");
19     return 0;
20
21
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Shorten compiler paths

Compilation results...

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\Admin\Documents\program 3.exe

- Output Size: 128.6015625 KiB

- Compilation Time: 0.61s

Line: 21 Col: 2 Sel: 0 Lines: 21 Length: 304 Insert Done parsing in 0.016 seconds

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2) Compute the roots of a quadratic equation by accepting the coefficients, Print appropriate messages.

Algorithm:

Step 1: Start

Step 2: Output enter an coefficient

Step 3: if ($a == 0$)

 Output linear equation, not a quadratic expression

else

$dis = (b * b) - (4 * a * c)$

 if ($dis > 0$)

 output roots are real and distinct

$root1 = (-b + \sqrt{dis}) / (2 * a)$

$root1 = (-b - \sqrt{dis}) / (2 * a)$

 output root1, root2

 else if ($dis < 0$)

 output roots are real and imaginary

$real = -b / (2 * a)$

$img = \sqrt{\text{fabs}(dis)} / (2 * a)$

 output root1, root2

 else

 output roots are real and equal

$root1 = root2 = -b / (2 * a)$

 output root1, root2

 end of if – else

Step 4: Stop







































