

The image shows a C++ IDE with a source code editor on the left and a console window on the right. The source code is a program to check if a year is a leap year. It includes `<stdio.h>` and has a `main()` function. Inside `main()`, it declares an integer `y`, prompts the user to enter a year, and reads the input. It then uses conditional logic to determine if the year is a leap year based on divisibility by 4 and 400. The console window shows the program's execution with the input 2022, the output "Year is not leapyear", and a message indicating the process exited after 6.42 seconds.

```
1 #include<stdio.h>
2
3 main()
4 {
5     int y;
6
7     printf("Enter A Year:");
8     scanf("%d",&y);
9
10    if(y%4==0 )
11    {
12        printf("Year is leapyear");
13    }
14    else if(y%400==0)
15    {
16        printf("Year is leapyear");
17    }
18    else
19    {
20        printf("Year is not leapyear");
21    }
22 }
```

Enter A Year:2022
Year is not leapyear

Process exited after 6.42 seconds with return value 0
Press any key to continue . . .

```

1 #include<stdio.h>
2 main()
3
4 {
5     int a,i,co=0;
6
7     printf("Enter A Number:");
8     scanf("%d",&a);
9
10    for(i=1;i<=a;i++)
11    {
12        if(a%i==0)
13        {
14            co++;
15        }
16    }
17    if(co==2)
18    {
19        printf("Number is prime");
20    }
21    else
22    {
23        printf("Number Is not prime");
24    }
25 }

```

```

Select C:\Users\91951\OneDrive\De...
Enter A Number:5
Number is prime
-----
Process exited after 2.255 seconds with ret
urn value 0
Press any key to continue . . .

```

Compiler Resources Compile Log Debug Find Results

Line: 25 Col: 2 Set: 0 Lines: 25 Length: 265 Insert Done parsing in 0.016 seconds

27°C
Cloudy



ENG

```

1 #include<stdio.h>
2 main()
3 {
4     float m,e,g,h,s,sum,percentage;
5     printf("Enter Your Maths Marks:");
6     scanf("%f",&m);
7     printf("Enter Your English Marks:");
8     scanf("%f",&e);
9     printf("Enter Your Gujarati Marks:");
10    scanf("%f",&g);
11    printf("Enter Your Hindi Marks:");
12    scanf("%f",&h);
13    printf("Enter Your Scince Marks:");
14    scanf("%f",&s);
15    sum=m+e+g+h+s;
16    printf("Total Marks: %.2f",sum);
17
18    percentage=(sum*100)/500;
19    printf("\npercentage= %.2f",percentage);
20
21    if(a>35 && a<50)

```

Compiler Resources Compile Log Debug Find Results

Line: 21 Col: 19 Sel: 0 Lines: 54 Length: 801 Insert Done parsing in 0.016 seconds

32°C
Cloudy



```

27
28     if(a>35 && a<50)
29     {
32
33         else if (a>50 && a<60)
34         {
35             printf("Second class");
36         }
37
38         else if (a>60 && a<75)
39         {
40             printf("First class");
41         }
42
43         else if(a>75)
44         {
45             printf("Distinction");
46         }
47
48         else
49         {
50             printf("Faile");
51         }
52     }

```

```

C:\Users\91951\OneDrive\Desktop\parth\.vscode\m8 per...
Enter Your Maths Marks:49
Enter Your English Marks:65
Enter Your Gujrati Marks:78
Enter Your Hindi Marks:59
Enter Your Scince Marks:69
Total Marks:320.00
percentage=64.00First class
-----
Process exited after 12.15 seconds with return value 0
Press any key to continue . . .

```

Compiler Resources Compile Log Debug Find Results

Line: 51 Col: 6 Sel: 0 Lines: 52 Length: 768 Insert Done parsing in 0.015 seconds

32°C

Cloudify



```

1 #include<stdio.h>
2
3 main()
4 {
5     float l,area;
6
7     printf("Enter a Redius=");
8     scanf("%f",&l);
9
10    printf("\n>>>>Area of circle<<<<\n");
11
12    area=(3.14*l*l);
13
14    printf("area=%.2f",area);
15
16
17 }

```

Enter a Redius=5

>>>>Area of circle<<<<
area=78.50

Process exited after 3.558 seconds with return value 0
Press any key to continue . . .

```

1 #include<stdio.h>
2
3 main()
4 {
5     float a,b,area;
6
7     printf("Enter a Height=");
8     scanf("%f",&a);
9
10    printf("Enter a Base=");
11    scanf("%f",&b);
12
13    printf("\n>>>>Area of Triangle<<<<\n\n");
14
15    area=(a*b)/2;
16
17    printf("area=%.2f",area);
18
19 }

```

```

C:\Users\91951\OneDrive\Desktop\parth\vscod...
Enter a Height=5
Enter a Base=2

>>>>Area of Triangle<<<<

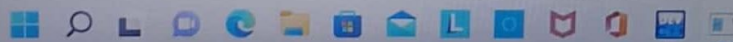
area=5.00
-----
Process exited after 4.251 seconds with return value 0
Press any key to continue . . .

```

Compiler Resources Compile Log Debug Find Results

Line: 1 Col: 1 Sel: 0 Lines: 19 Length: 253 Insert Done parsing in 0.015 seconds

33°C
Cloudy



ENG IN 14-0


```
#include<stdio.h>

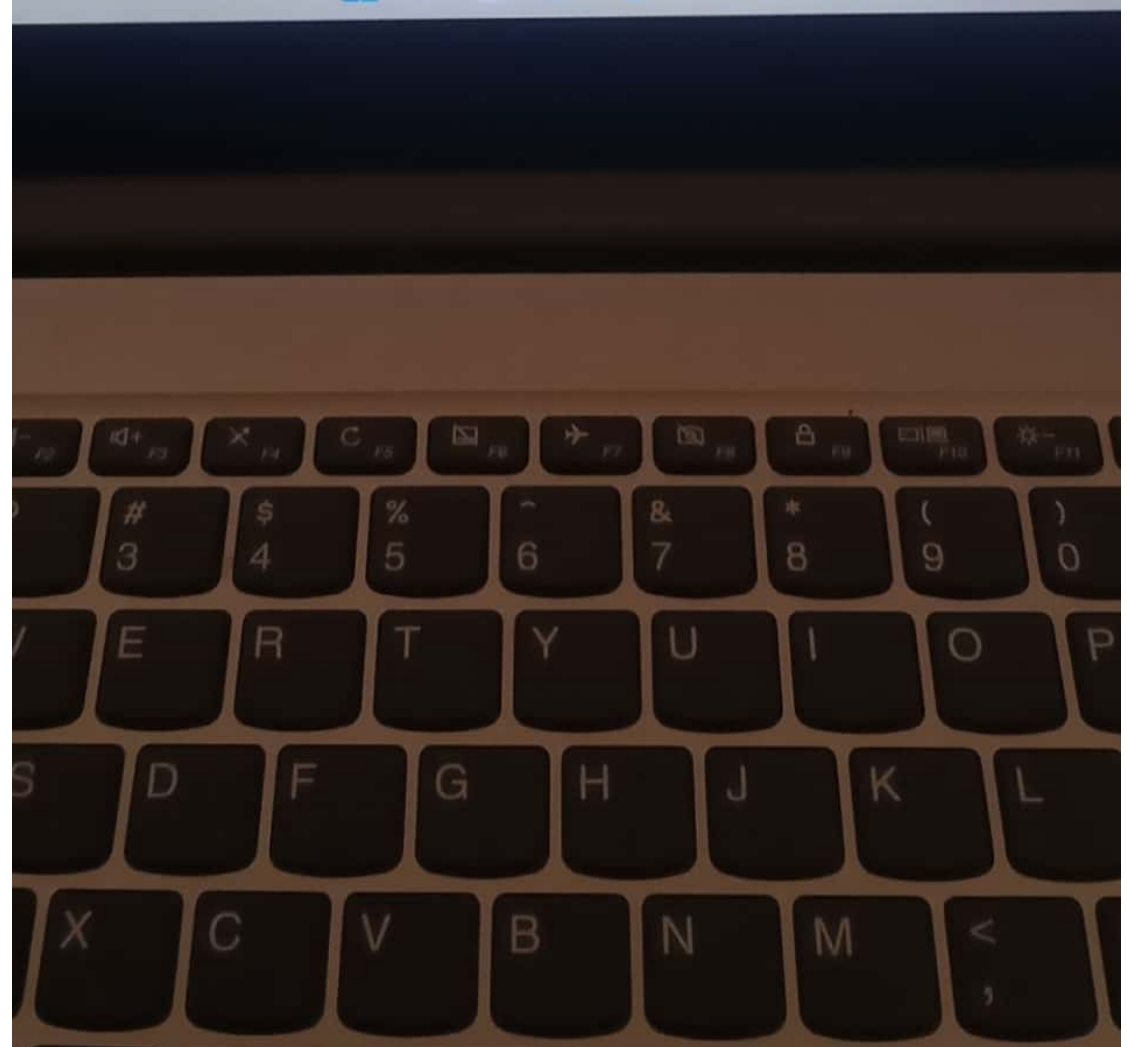
main()
{
    int n,a=0,b=1,c;

    printf("Enetr A Number  :");
    scanf("%d",&n);

    for(int i=1;i<=n;i++)
    {
        printf(" %d ",a);
        c=a+b;
        a=b;
        b=c;
    }
}
```

```
C:\Users\91951\OneDrive\De
Enetr A Number :5
0 1 1 2 3
-----
Process exited after 1.
urn value 0
Press any key to continu
```

Compile Log Debug Find Results
Sel: 0 Lines: 17 Length: 188 Insert Done parsing in 0.016 seconds





revers ore num.cpp m20 b 51 to 60.cpp

```

1  #include<stdio.h>
2
3  main()
4  {
5      int i;
6
7      for(i=100;i>=60;i--)
8      {
9          printf("%d\n",i);
10     }
11 }
```

100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
77
76
75
74
73
72
71


```

1 #include <stdio.h>
2
3 main()
4 {
5     int r,n,sum=0;
6
7     printf("Enter A Number :");
8     scanf("%d",&n);
9
10    while(n>0)
11    {
12        r=n%10;
13        sum=sum+r;
14        n=n/10;
15    }
16    printf("Sum Of Digits Number:%d",sum)
17 }

```

```

Enter A Number :524
Sum Of Digits Number:11
-----
Process exited after 2.309 seconds with return val
ue 0
Press any key to continue . . .

```

```

3 {
4     int i,j,a=1;
5     //char ch='A';
6
7     for(i=1;i<=5;i++)
8     {
9         for(j=1;j<=i;j++)
10        {
11            printf("% d ",a);
12            a++;
13        }
14        printf("\n");
15    }
16 }

```

Select C:\Users\91951\OneDrive\Desktop\parth\vscode\abcd.exe

```

1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
-----
Process exited after 0.07255 seconds with return value 0
Press any key to continue . . .

```

```

1  #include<stdio.h>
2  main()
3  {
4      int i,j,a=1;
5      //char ch='A';
6
7      for(i=1;i<=5;i++)
8      {
9          for(j=1;j<=i;j++)
10         {
11             printf(" * ");
12
13         }
14         printf("\n");
15     }
16 }

```

Process exited after 0
Press any key to conti

find max num.cpp - [Executing] - Dev-C++ 5.11

File Edit Tools AStyle Window Help

TDM-GCC 4.9.2 64

find max num.cpp

```
1 #include<stdio.h>
2
3 main()
4 {
5     int a[10],i,max;
6     printf("Enetr A ten Elements:");
7     for(i=0;i<=9;i++)
8     {
9         scanf("%d",&a[i]);
10    }
11
12    max=a[1];
13
14    for(i=0;i<=9;i++)
15    {
16        if(a[i]>max)
17        {
18            max=a[i];
19        }
20    }
21    printf("Max Number :%d",max);
22 }
```

```
C:\Users\91951\OneD
Enetr A ten Elemen
20
30
40
50
60
70
80
90
100
Max Number :100
-----
Process exited after
n value 0
Press any key to co
```

Resources Compile Log Debug Find Results

2 Sel: 0 Lines: 22 Length: 258 Insert Done parsing in 0.016 seconds

```
main()
{
    int a[5],i,j,temp;

    printf("Enetr Array Elements:");

    for(i=0;i<=4;i++)
    {
        scanf("%d",&a[i]);
    }

    for(i=0;i<=4;i++)
    {
        for(j=i+1;j<=4;j++)
        {
            if(a[i]>a[j])
            {
                temp=a[i];
                a[i]=a[j];
                a[j]=temp;
            }
        }
    }
    printf("Array Elements:");
    for(i=0;i<=4;i++)
    {
        printf("%d \n",a[i]);
    }
}
```

Enetr Array Elements:5

4

3

2

1

Array Elements:1

2

3

4

5

Process exited after 5

return value 0

Press any key to conti

```
1 #include<stdio.h>
2
3 main()
4 {
5     int a[7]={10,5,2,9,4,16,15},j;
6
7     printf("Enetr A position:");
8     scanf("%d",&j);
9
10    printf("%d",a[j]);
11
12 }
```

Select C:\Users\91951\OneDrive\Desktop\parth\vscode\posio...

Enetr A position:5
16

Process exited after 6.589 seconds with return value 0
Press any key to continue . . .

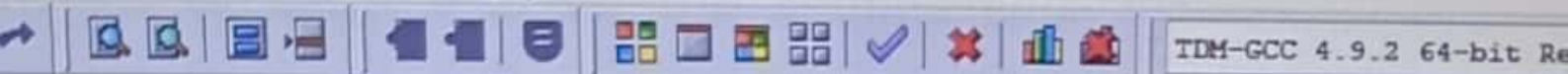

```
2
3 main()
4 {
5     int a[2][2], i, j, max;
6
7
8     for(i=0; i<=1; i++)
9     {
10         for(j=0; j<2; j++)
11         {
12             printf("Enetr A Matrix:");
13             scanf("%d", &a[i][j]);
14         }
15     }
16     printf("-----Matrix-----\n");
17
18     for(i=0; i<=1; i++)
19     {
20         for(j=0; j<2; j++)
21         {
22             printf(" %d ", a[i][j]);
23         }
24         printf("\n");
25     }
26     max=a[0][0];
27
28     for(i=0; i<=1; i++)
29     {
30         for(j=0; j<2; j++)
31         {
32             if(a[0][0]<a[i][j])
33             {
34                 max=a[i][j];
35             }
36         }
37     }
38     printf("\nMax Number Is:%d", max);
39 }
```

Enetr A Matrix:50
Enetr A Matrix:41
Enetr A Matrix:25
Enetr A Matrix:46
-----Matrix-----
50 41
25 46
Max Number Is:50

Process exited after 7.706 seconds with return value 0
Press any key to continue . . .

th\vscode\copy string using function.cpp - [Executing] - Dev-C++ 5.11

Execute Tools AStyle Window Help



TDM-GCC 4.9.2 64-bit Re

array.cpp [*] find max in matrix.cpp copy string using function.cpp

```
#include<stdio.h>
```

```
void strcpy(char s1[],char s2[])
{
```

```
    for(int i=0;s2[i]=s1[i];i++)
    {
        s1[i]='\0';
    }
```

```
}
main()
```

```
{
    char s1[25],s2[25];
    int i;
```

```
    printf("Enter a String :");
    gets(s1);
```

```
    printf("\nOriginal string:%s",s1);
    strcpy(s1,s2);
```

```
    printf("\nCopy String:%s",s2);
```

Enter a String :Parth Patel

Original string:Parth Patel

Copy String:Parth Patel

Process exited after 8.408 seconds
on value 0

Press any key to continue . . .

Compile Log ✓ Debug Find Results

Lines: 0

Lines: 23

Length: 313

Insert

Done parsing in 0.015 seconds



esktop\parth\vscode\factoreal usinnng function.cpp - [Executing] - Dev-C++ 5.11

Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64

factoreal usinnng function.cpp

```
1  #include<stdio.h>
2
3  int factoreal(int x);
4
5  int factoreal(int x)
6  {
7      if(x==1 || x==0)
8      {
9          return 1;
10     }
11     else
12     {
13         return factoreal(x-1)*x;
14     }
15 }
16 main()
17 {
18     int a;
19     printf("Enter A number:");
20     scanf("%d",&a);
21
22     printf("%d Factoreal is :%d",a,factoreal(a));
23 }
```

C:\Users\91951\OneDrive\Desktop\parth\.

Enter A number:5
5 Factoreal is :120

Process exited after 1.536 seconds
Press any key to continue . . .

Sources Compile Log Debug Find Results

2 Sel: 0 Lines: 23 Length: 293 Insert Done parsing in 0.109 seconds


```
#include<stdio.h>
```

```
void fibonacci(int);
```

```
void fibonacci(int n)
```

```
{
```

```
    int a=0,b=1,c;
```

```
    while(a<=n)
```

```
{
```

```
        printf(" %d ", a);
```

```
        c=a+b;
```

```
        a=b;
```

```
        b=c;
```

```
    }
```

```
}
```

```
main()
```

```
{
```

```
    int n;
```

```
    printf("Enetr A Number :");
```

```
    scanf("%d",&n);
```

```
    fibonacci(n);
```

```
}
```

C:\Users\91...

Enetr A Number :5
0 1 1 2 3 5

Process exited after
seconds with return v
Press any key to con

Resources Compile Log Debug Find Results

Sel: 0

Lines: 26

Length: 264

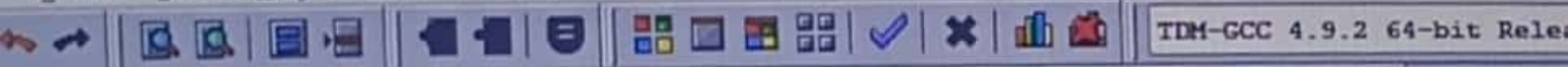
Insert

Done parsing in 0



\\parth\\vscode\\s8ul.cpp - Dev-C++ 5.11

Execute Tools AStyle Window Help



TDM-GCC 4.9.2 64-bit Release

Untitled1 2.cpp abcd.cpp area of circle.cpp char name

c.cpp function 1.cpp harry project.cpp harry1.cpp [*] harry2.cpp

hw31.cpp if else.cpp new.cpp nowel.cpp

L);

main()

struct Employee s1[5];

int i;

for(i=1;i<=5;i++)

{
printf("\nEnter A Id:");
scanf("%d",&s1[i].id);

printf("Enter Name:");
scanf("%s",&s1[i].name);

fflush(stdin);

printf("Enter Address:");
scanf("%s",&s1[i].address);

printf("Enter A Age:");
scanf("%d",&s1[i].age);

}
printf("-----Employee Data-----");

for(i=1;i<=5;i++)

{
printf("\nEmployee Id:%d",s1[i].id);

printf("\nEmployee Name:%s",s1[i].name);

printf("\nEmployee Address:%s",s1[i].address);

printf("\nEmployee Age:%d",s1[i].age);

}

Compile Log Debug Find Results

Sel: 0

Lines: 41

Length: 745

Insert

Done parsing in 0.031 seconds



C:\Users\91951\OneDrive\Desktop\parth\vs

Enter Name:t

Enter Address:a

Enter A Age:19

Enter A Id:5

Enter Name:h

Enter Address:d

Enter A Age:19

-----Employee Data-----

Employee Id:1

Employee Name:p

Employee Address:b

Employee Age:19

Employee Id:2

Employee Name:a

Employee Address:o

Employee Age:19

Employee Id:3

Employee Name:r

Employee Address:t

Employee Age:19

Employee Id:4

Employee Name:t

Employee Address:a

Employee Age:19

Employee Id:5

Employee Name:h

Employee Address:d

Employee Age:19

```

4  {
5      int a,b,*c,*d,sum;
6
7      printf("Enetr A Two Number :");
8      scanf("%d %d",&a,&b);
9
10     c=&a;
11     d=&b;
12
13     sum=*c+*d;
14
15     printf("Sum=%d",sum);
16 }

```

```

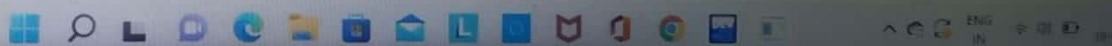
Select C:\Users\91851\OneDri...
Enetr A Two Number :20
14
Sum=34
-----
Process exited after 2.617 seconds with
return value 0
Press any key to continue . . .

```

Compiler Resources Compile Log Debug Find Results

line: 16 Col: 2 Sel: 0 Lines: 16 Length: 179 Insert Done parsing in 0.015 seconds

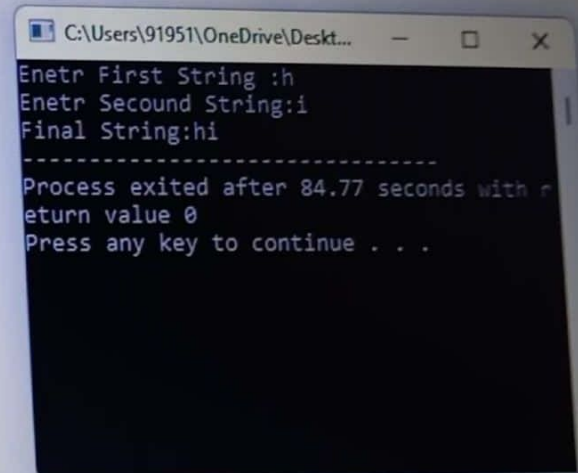
27°C
11:20




```

2
3 main()
4 {
5     char st1[20], st2[20], *c, *d;
6
7     printf("Enetr First String :");
8     gets(st1);
9
10    printf("Enetr Secound String:");
11    gets(st2);
12
13    c=st1;
14    d=st2;
15
16    while(*c!='\0')
17    {
18        c++;
19    }
20    while(*d!='\0')
21    {
22        *c=*d;
23        d++;
24        c++;
25    }
26    *c!='\0';
27
28    printf("Final String:%s", st1);

```



```

C:\Users\91951\OneDrive\Desktop...
Enetr First String :h
Enetr Secound String:i
Final String:hi
-----
Process exited after 84.77 seconds with r
eturn value 0
Press any key to continue . . .

```

```

1  #include<stdio.h>
2
3  void sort(int n,int *ptr)
4  {
5      int i,j,t;
6
7      for(i=0;i<n;i++)
8      {
9          for(j=i+1;j<n;j++)
10         {
11             if(*(ptr+j)<*(ptr+i))
12             {
13                 t=*(ptr+i);
14                 *(ptr+i)=*(ptr+j);
15                 *(ptr+j)=t;
16             }
17         }
18     }
19     for(i=0;i<n;i++)
20     {
21         printf("%d",*(ptr+i));
22     }
23 }
24 main()
25 {
26     int n=5;
27     int a[]={5,4,3,2,1};
28
29     sort(n,a);
30 }

```

C:\Users...

12345

 Process exit
 71 seconds w
 ue 0
 Press any key
 . . .

ces  Compile Log  Debug  Find Results

Sel: 0

Lines: 30

Length: 342

Insert

Done parsing in 0.016 seconds

