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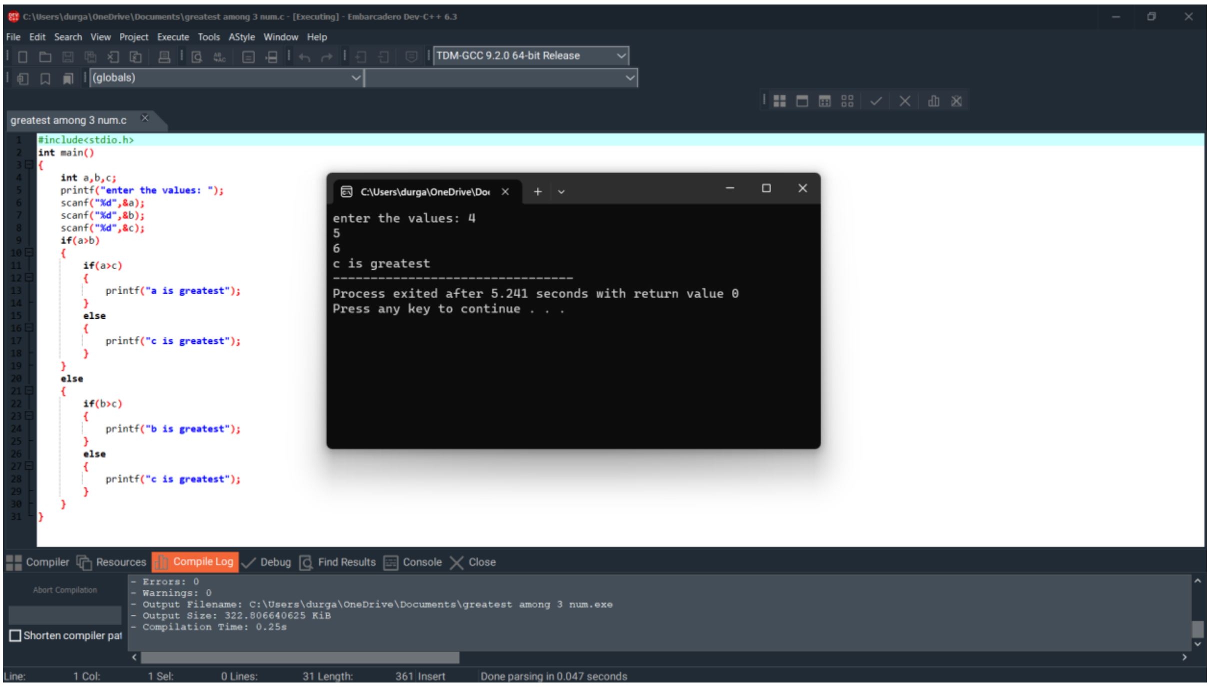
1)c program to find greatest number

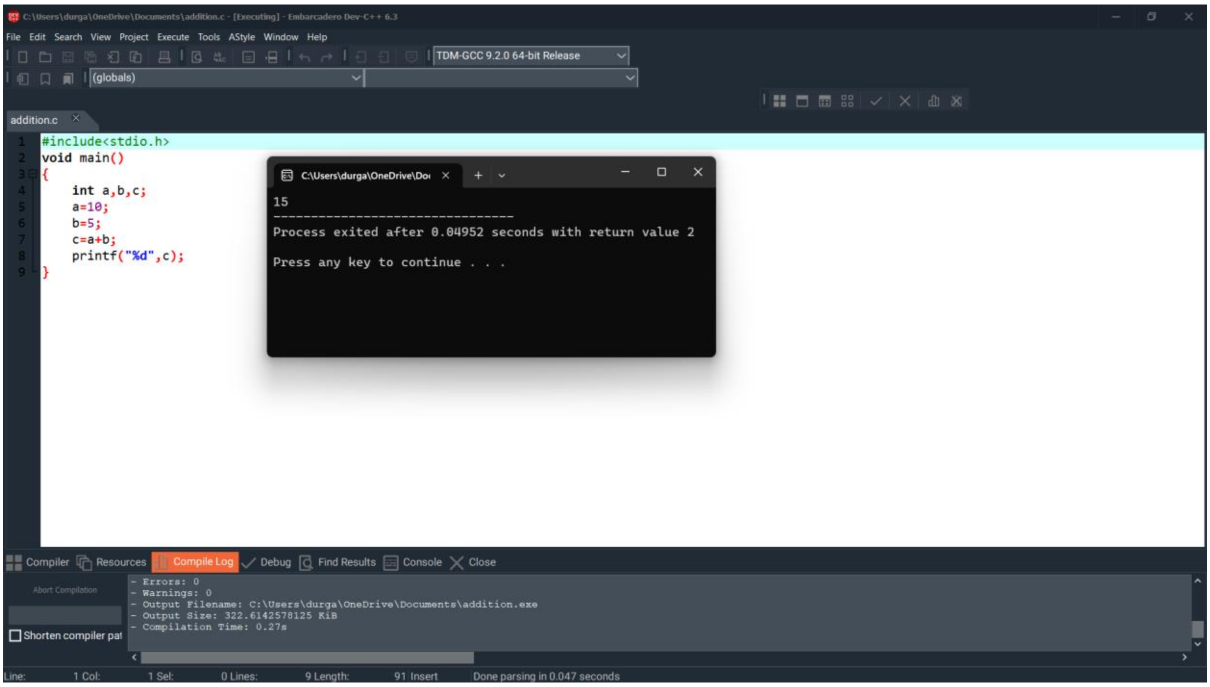

C:\Users\durga\OneDrive\Documents\greatest among 3 num.c - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
greatest among 3 num.c
C:\Users\durga\OneDrive\Do
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
Shorten compiler pat
Line: 1 Col: 1 Sel: 0 Lines: 31 Length: 361 Insert Done parsing in 0.047 seconds

```c
#include<stdio.h>
int main()
{
    int a,b,c;
    printf("enter the values: ");
    scanf("%d",&a);
    scanf("%d",&b);
    scanf("%d",&c);
    if(a>b)
    {
        if(a>c)
        {
            printf("a is greatest");
        }
        else
        {
            printf("c is greatest");
        }
    }
    else
    {
        if(b>c)
        {
            printf("b is greatest");
        }
        else
        {
            printf("c is greatest");
        }
    }
}
```

```
enter the values: 4
5
6
c is greatest
--------------------------------
Process exited after 5.241 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\greatest among 3 num.exe
- Output Size: 322.806640625 KiB
- Compilation Time: 0.25s
```

2)c program to add 2 numbers

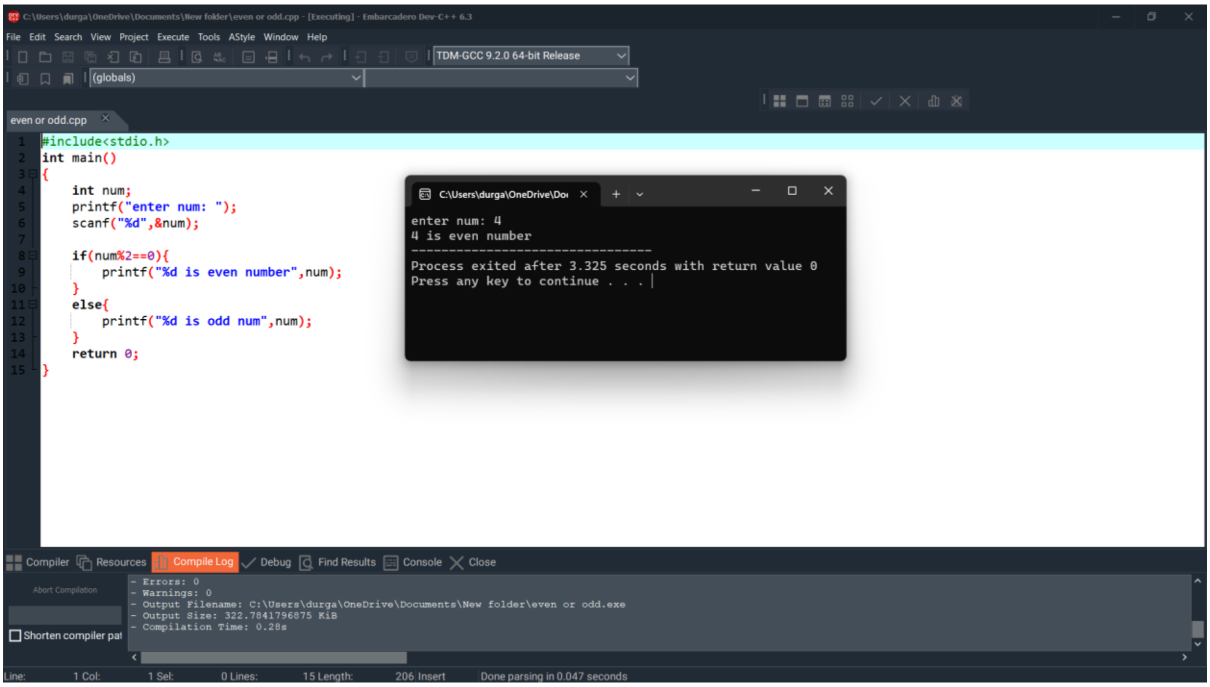

C:\Users\durga\OneDrive\Documents\addition.c - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
addition.c
C:\Users\durga\OneDrive\Do
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
Shorten compiler pat
Line: 1 Col: 1 Sel: 0 Lines: 9 Length: 91 Insert Done parsing in 0.047 seconds

```c
#include<stdio.h>
void main()
{
    int a,b,c;
    a=10;
    b=5;
    c=a+b;
    printf("%d",c);
}
```

```
15
--------------------------------
Process exited after 0.04952 seconds with return value 2

Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\addition.exe
- Output Size: 322.6142578125 KiB
- Compilation Time: 0.27s
```

3)c program to check the given number is even or odd

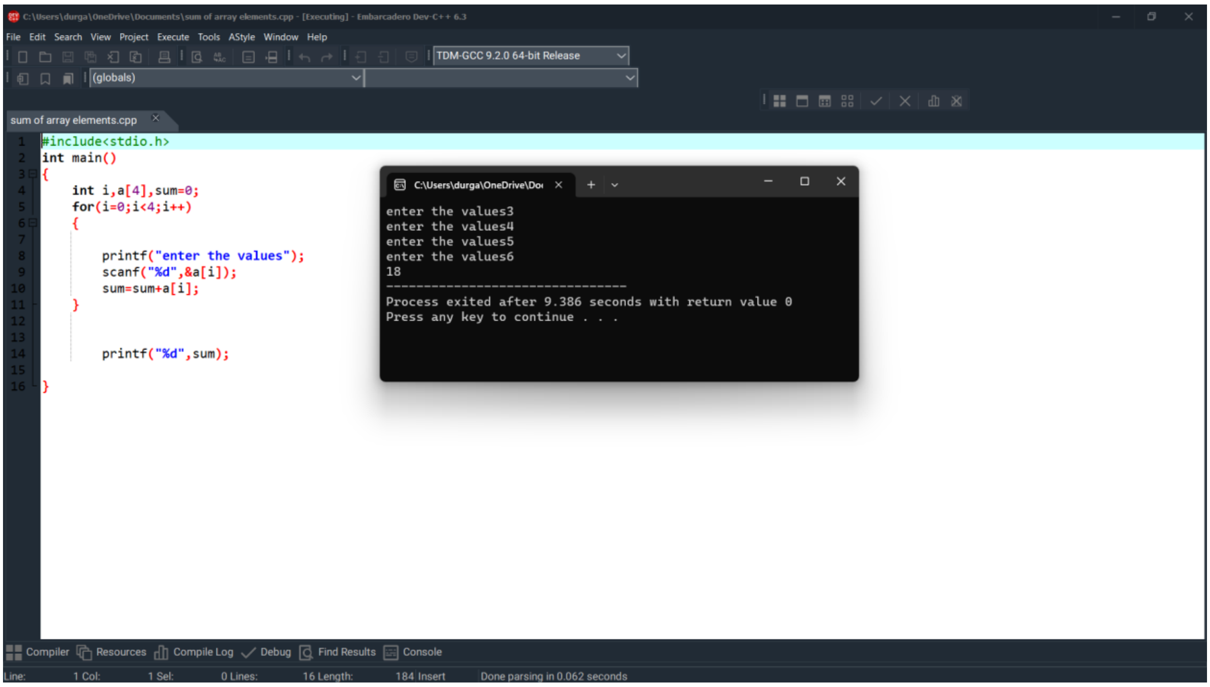

C:\Users\durga\OneDrive\Documents\New folder\even or odd.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
even or odd.cpp
C:\Users\durga\OneDrive\Do
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
□ Shorten compiler pat
Line: 1 Col: 1 Sel: 0 Lines: 15 Length: 206 Insert Done parsing in 0.047 seconds

```
#include<stdio.h>
int main()
{
    int num;
    printf("enter num: ");
    scanf("%d",&num);

    if(num%2==0){
        printf("%d is even number",num);
    }
    else{
        printf("%d is odd num",num);
    }
    return 0;
}
```

```
enter num: 4
4 is even number
--------------------------------
Process exited after 3.325 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\New folder\even or odd.exe
- Output Size: 322.7841796875 KiB
- Compilation Time: 0.28s
```

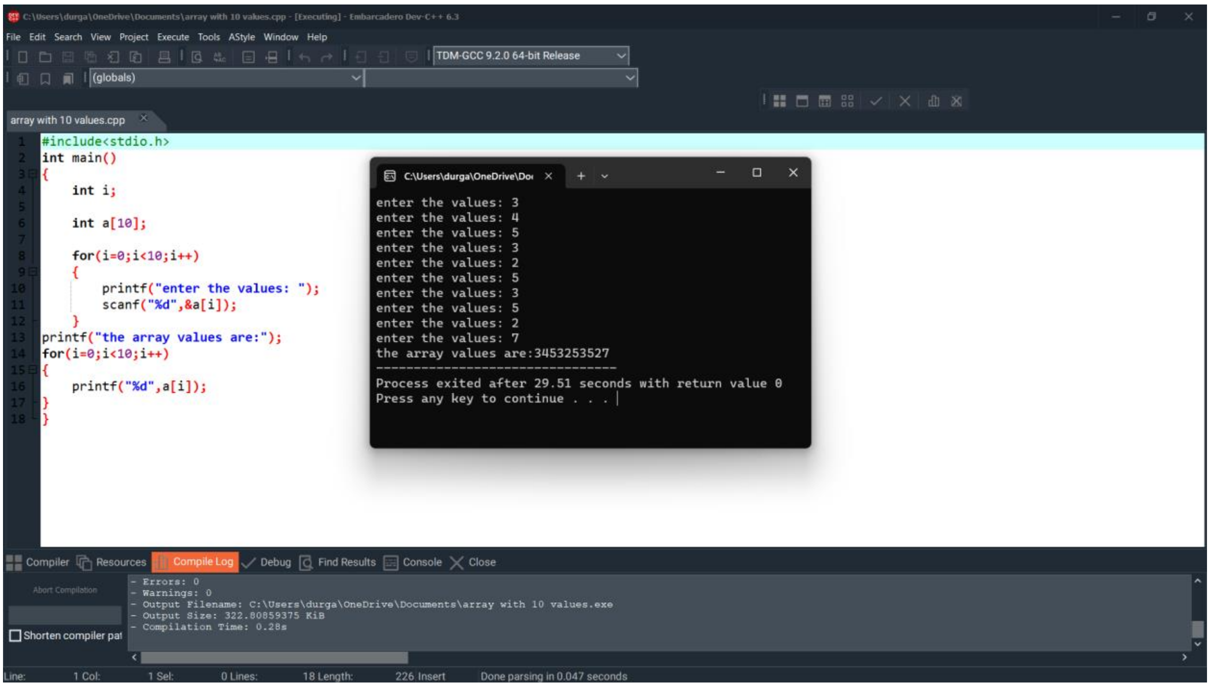
4)c program to write sum of arrays


C:\Users\durga\OneDrive\Documents\sum of array elements.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
sum of array elements.cpp
C:\Users\durga\OneDrive\Do
Compiler Resources Compile Log Debug Find Results Console
Line: 1 Col: 1 Sel: 0 Lines: 16 Length: 184 Insert Done parsing in 0.062 seconds

```
#include<stdio.h>
int main()
{
    int i,a[4],sum=0;
    for(i=0;i<4;i++)
    {

        printf("enter the values");
        scanf("%d",&a[i]);
        sum=sum+a[i];
    }


        printf("%d",sum);

}
```

```
enter the values3
enter the values4
enter the values5
enter the values6
18
--------------------------------
Process exited after 9.386 seconds with return value 0
Press any key to continue . . .
```

5)c program to print array with 10 values

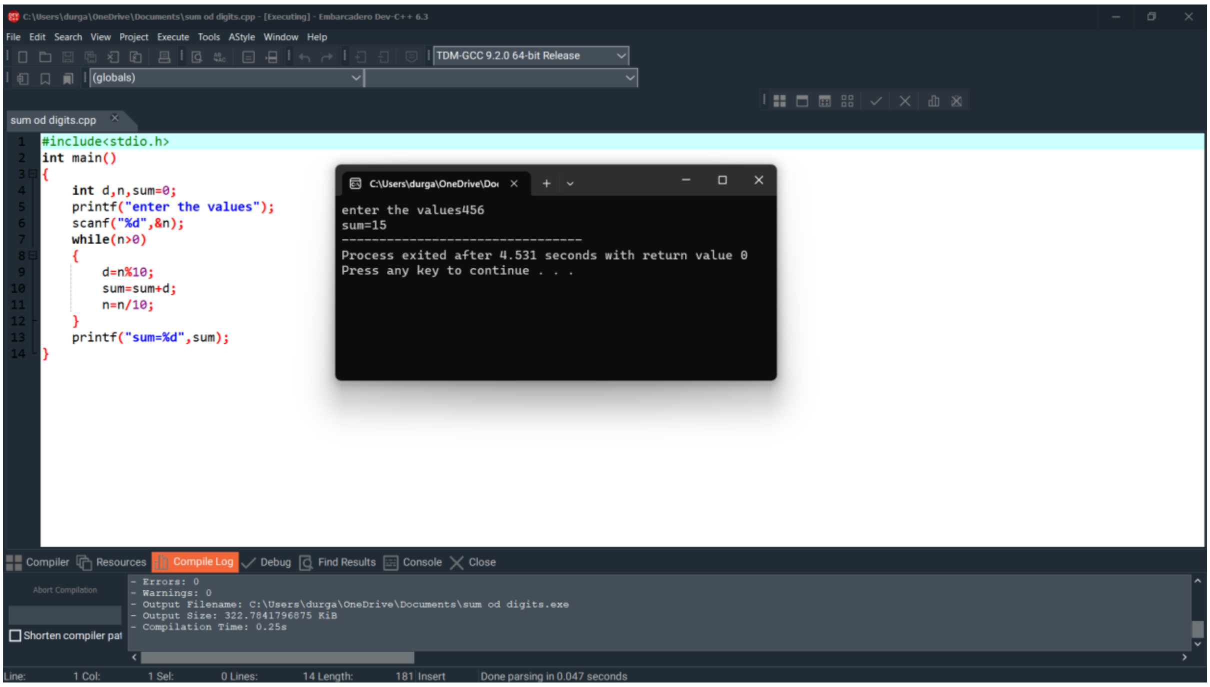

C:\Users\durga\OneDrive\Documents\array with 10 values.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
array with 10 values.cpp
C:\Users\durga\OneDrive\Doc
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
□ Shorten compiler pat
Line: 1 Col: 1 Sel: 0 Lines: 18 Length: 226 Insert Done parsing in 0.047 seconds

```c
#include<stdio.h>
int main()
{
    int i;

    int a[10];

    for(i=0;i<10;i++)
    {
        printf("enter the values: ");
        scanf("%d",&a[i]);
    }
printf("the array values are:");
for(i=0;i<10;i++)
{
    printf("%d",a[i]);
}
}
```

```
enter the values: 3
enter the values: 4
enter the values: 5
enter the values: 3
enter the values: 2
enter the values: 5
enter the values: 3
enter the values: 5
enter the values: 2
enter the values: 7
the array values are:3453253527
--------------------------------
Process exited after 29.51 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\array with 10 values.exe
- Output Size: 322.80859375 KiB
- Compilation Time: 0.28s
```

6)c program to find sum of digits

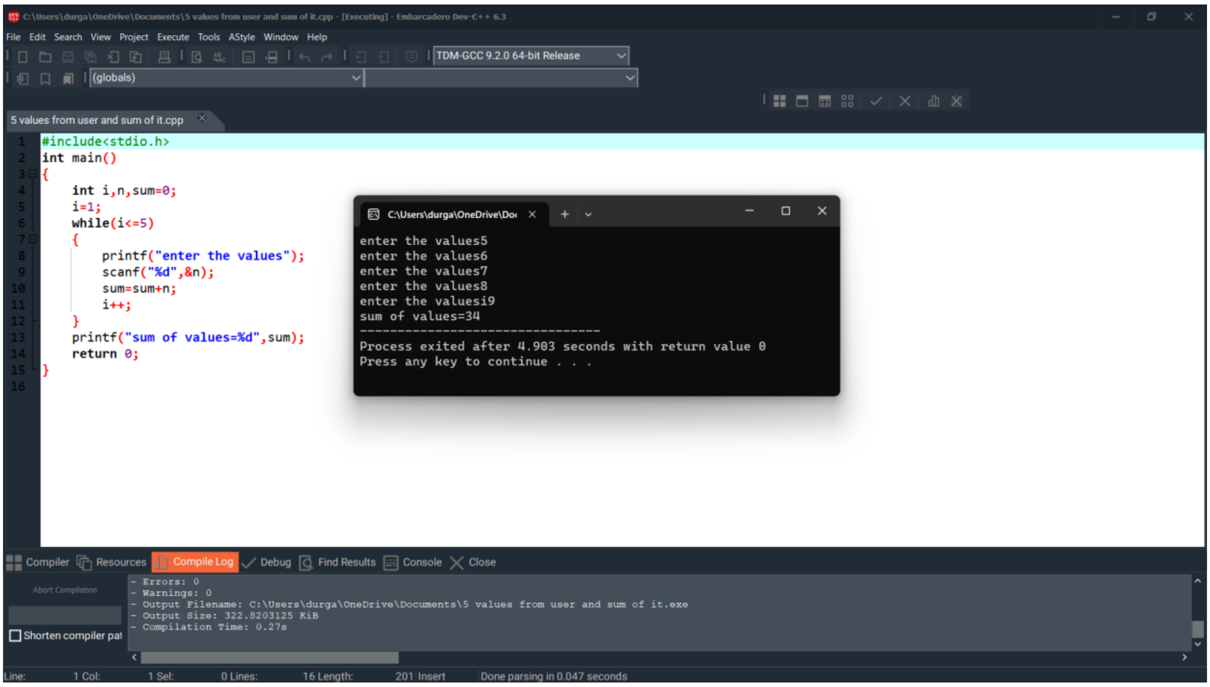

C:\Users\durga\OneDrive\Documents\sum od digits.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
sum od digits.cpp
C:\Users\durga\OneDrive\Doc
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
□ Shorten compiler pat
Line: 1 Col: 1 Sel: 0 Lines: 14 Length: 181 Insert Done parsing in 0.047 seconds

```c
#include<stdio.h>
int main()
{
    int d,n,sum=0;
    printf("enter the values");
    scanf("%d",&n);
    while(n>0)
    {
        d=n%10;
        sum=sum+d;
        n=n/10;
    }
    printf("sum=%d",sum);
}
```

```
enter the values456
sum=15
--------------------------------
Process exited after 4.531 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\sum od digits.exe
- Output Size: 322.7841796875 KiB
- Compilation Time: 0.25s
```

7)c program to get 5 values from user and sum of it

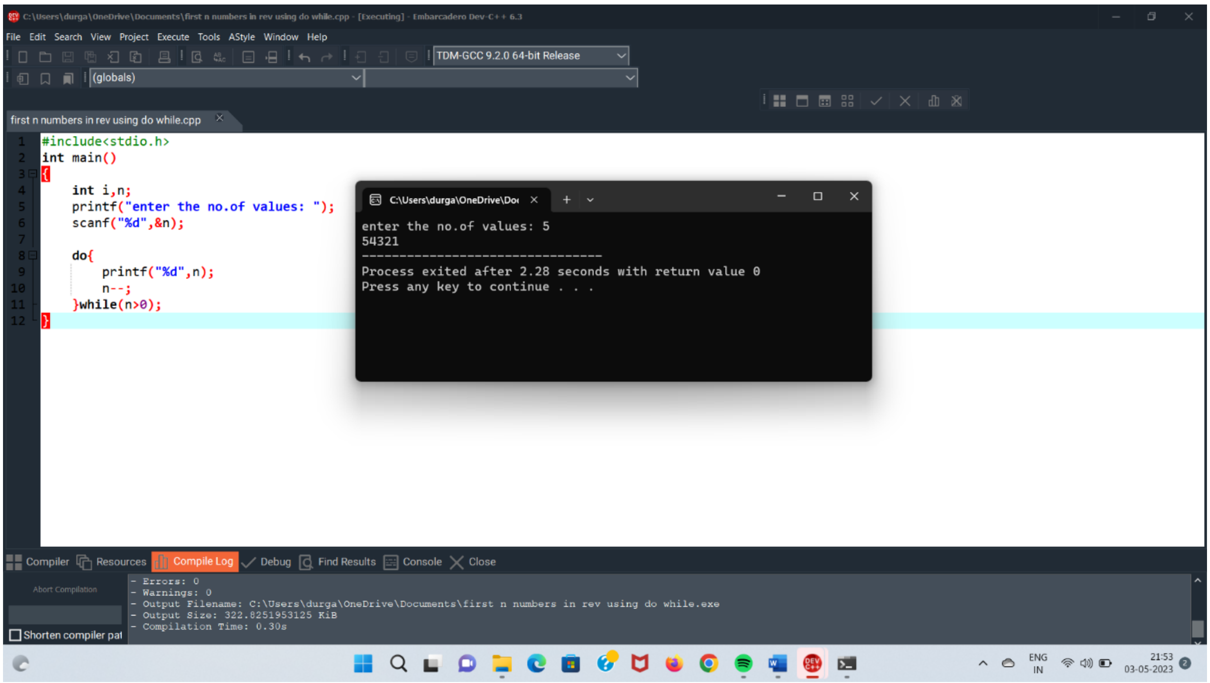

C:\Users\durga\OneDrive\Documents\5 values from user and sum of it.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
5 values from user and sum of it.cpp
C:\Users\durga\OneDrive\Do
Compiler
Resources
Compile Log
Debug
Find Results
Console
Close
Abort Compilation
Shorten compiler pat
Line: 1 Col: 1 Sel: 0 Lines: 16 Length: 201 Insert
Done parsing in 0.047 seconds

```c
#include<stdio.h>
int main()
{
    int i,n,sum=0;
    i=1;
    while(i<=5)
    {
        printf("enter the values");
        scanf("%d",&n);
        sum=sum+n;
        i++;
    }
    printf("sum of values=%d",sum);
    return 0;
}
```

```
enter the values5
enter the values6
enter the values7
enter the values8
enter the valuesi9
sum of values=34
--------------------------------
Process exited after 4.903 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\5 values from user and sum of it.exe
- Output Size: 322.8203125 KiB
- Compilation Time: 0.27s
```

8)c program to print first n numbers in reverse using do while

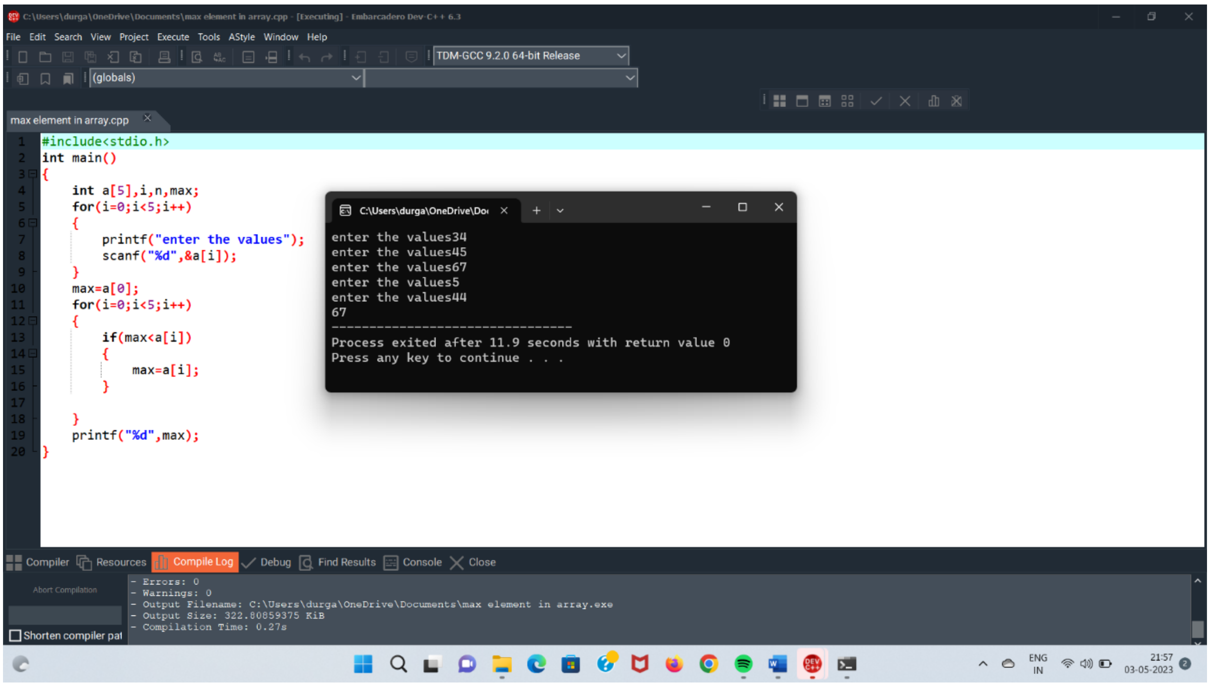

C:\Users\durga\OneDrive\Documents\first n numbers in rev using do while.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
first n numbers in rev using do while.cpp
C:\Users\durga\OneDrive\Do
Compiler
Resources
Compile Log
Debug
Find Results
Console
Close
Abort Compilation
Shorten compiler pat
ENG
IN
21:53
03-05-2023

```c
#include<stdio.h>
int main()
{
    int i,n;
    printf("enter the no.of values: ");
    scanf("%d",&n);

    do{
        printf("%d",n);
        n--;
    }while(n>0);
}
```

```
enter the no.of values: 5
54321
--------------------------------
Process exited after 2.28 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\first n numbers in rev using do while.exe
- Output Size: 322.8251953125 KiB
- Compilation Time: 0.30s
```

9)c program to print max element in array


C:\Users\durga\OneDrive\Documents\max element in array.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
max element in array.cpp
C:\Users\durga\OneDrive\Doc
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
21:57
03-05-2023

TDM-GCC 9.2.0 64-bit Release

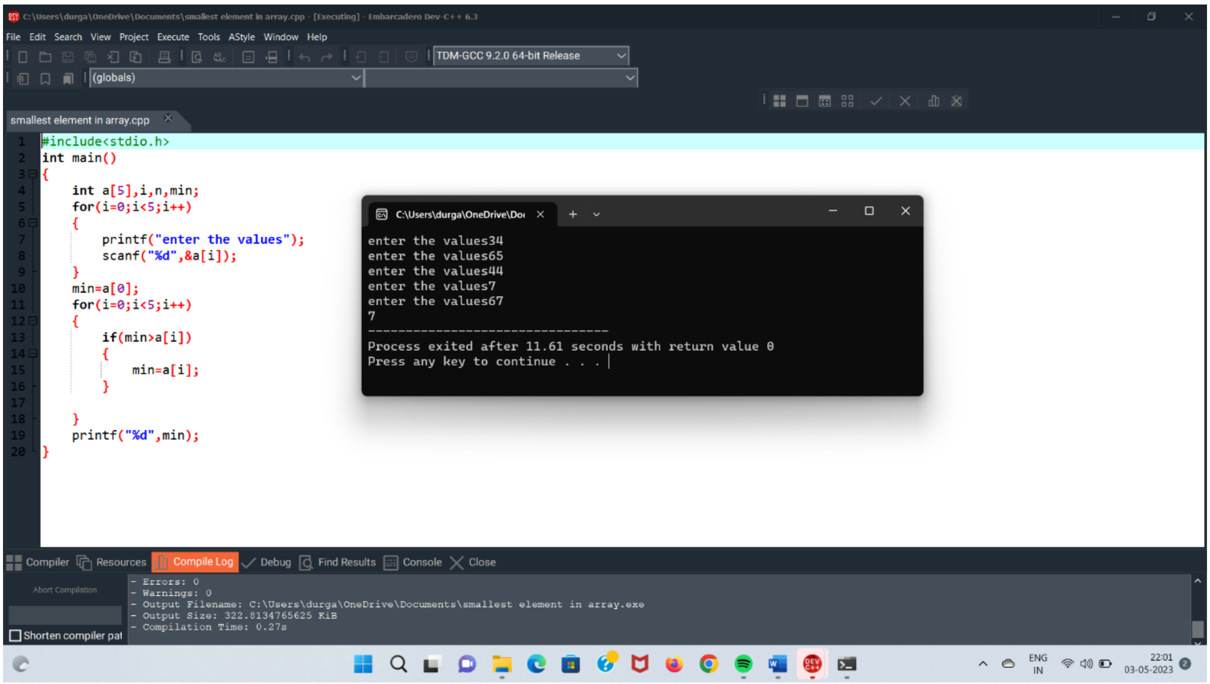
```c
#include<stdio.h>
int main()
{
    int a[5],i,n,max;
    for(i=0;i<5;i++)
    {
        printf("enter the values");
        scanf("%d",&a[i]);
    }
    max=a[0];
    for(i=0;i<5;i++)
    {
        if(max<a[i])
        {
            max=a[i];
        }

    }
    printf("%d",max);
}
```

```
enter the values34
enter the values45
enter the values67
enter the values5
enter the values44
67
--------------------------------
Process exited after 11.9 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\max element in array.exe
- Output Size: 322.80859375 KiB
- Compilation Time: 0.27s
```

□ Shorten compiler pat

10) c program to print min element in array


C:\Users\durga\OneDrive\Documents\smallest element in array.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
smallest element in array.cpp
C:\Users\durga\OneDrive\Doc
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
22:01
03-05-2023

TDM-GCC 9.2.0 64-bit Release

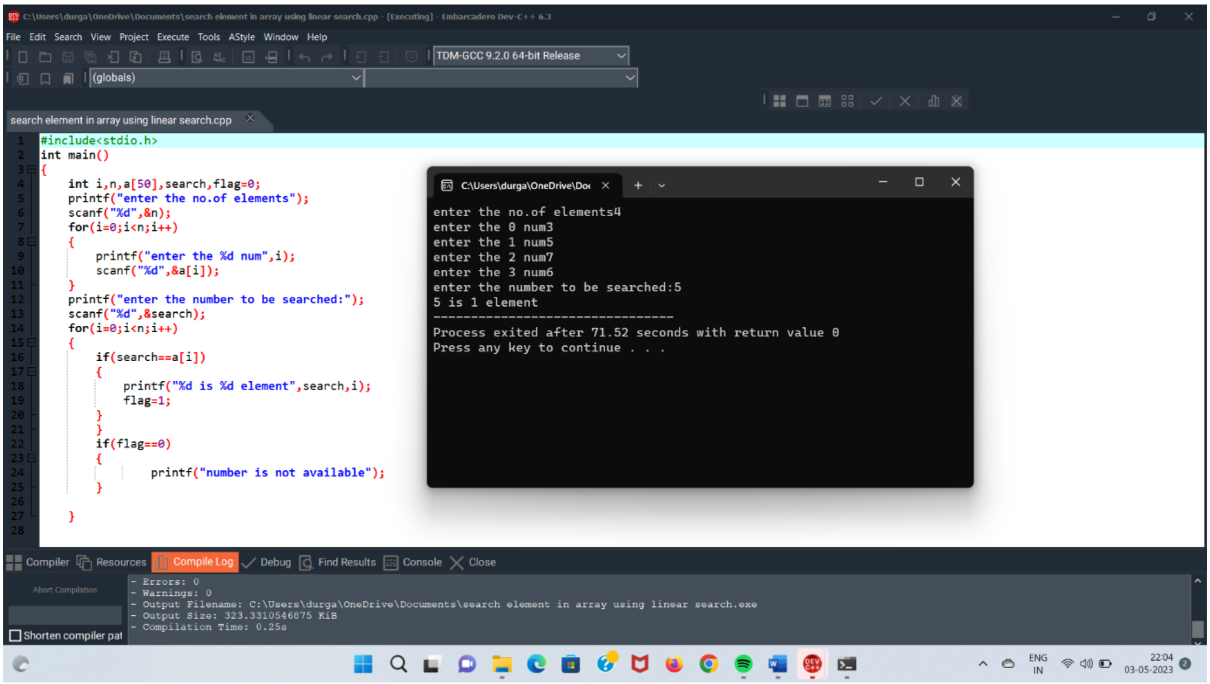
```c
#include<stdio.h>
int main()
{
    int a[5],i,n,min;
    for(i=0;i<5;i++)
    {
        printf("enter the values");
        scanf("%d",&a[i]);
    }
    min=a[0];
    for(i=0;i<5;i++)
    {
        if(min>a[i])
        {
            min=a[i];
        }

    }
    printf("%d",min);
}
```

```
enter the values34
enter the values65
enter the values44
enter the values7
enter the values67
7
--------------------------------
Process exited after 11.61 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\smallest element in array.exe
- Output Size: 322.8134765625 KiB
- Compilation Time: 0.27s
```

□ Shorten compiler pat

11)search element in array using linear search

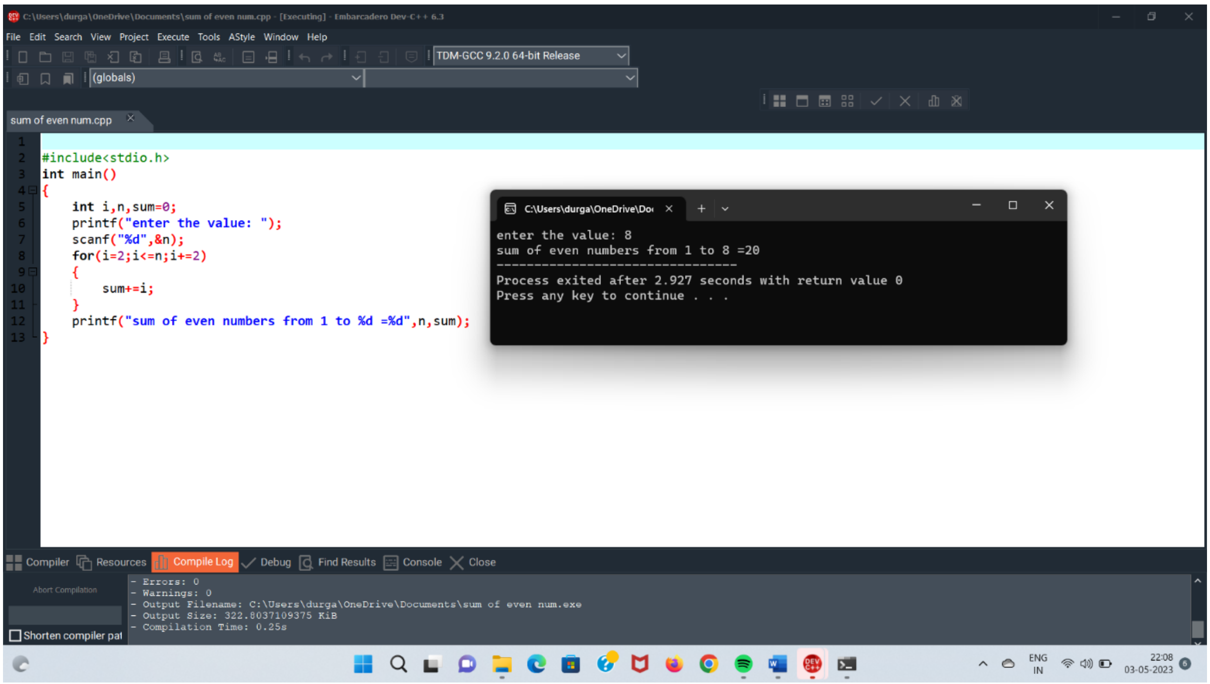

C:\Users\durga\OneDrive\Documents\search element in array using linear search.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
search element in array using linear search.cpp
C:\Users\durga\OneDrive\Do
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
□ Shorten compiler pat
ENG IN
22:04
03-05-2023

```c
#include<stdio.h>
int main()
{
    int i,n,a[50],search,flag=0;
    printf("enter the no.of elements");
    scanf("%d",&n);
    for(i=0;i<n;i++)
    {
        printf("enter the %d num",i);
        scanf("%d",&a[i]);
    }
    printf("enter the number to be searched:");
    scanf("%d",&search);
    for(i=0;i<n;i++)
    {
        if(search==a[i])
        {
            printf("%d is %d element",search,i);
            flag=1;
        }
        }
        if(flag==0)
        {
                printf("number is not available");
        }

    }

```

```
enter the no.of elements4
enter the 0 num3
enter the 1 num5
enter the 2 num7
enter the 3 num6
enter the number to be searched:5
5 is 1 element
--------------------------------
Process exited after 71.52 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\search element in array using linear search.exe
- Output Size: 323.3310546875 KiB
- Compilation Time: 0.25s
```

12)c program to find sum of even number from 1 to n

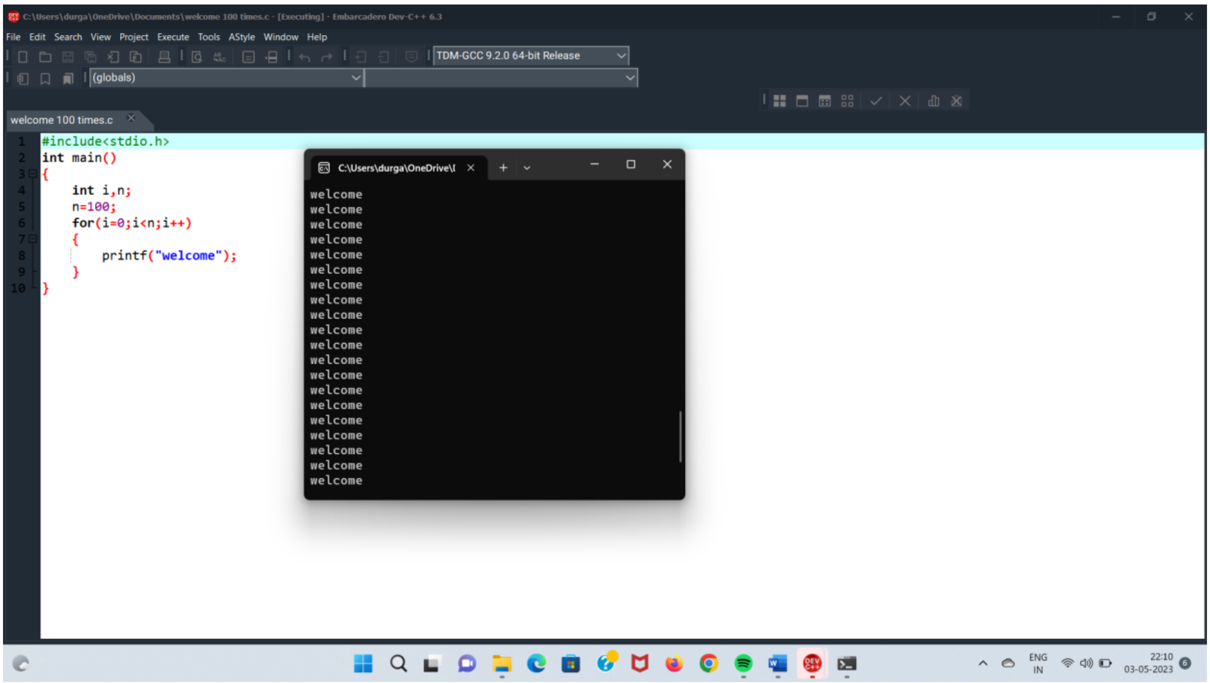

C:\Users\durga\OneDrive\Documents\sum of even num.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
sum of even num.cpp
C:\Users\durga\OneDrive\Do
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
□ Shorten compiler pat
ENG IN
22:08
03-05-2023

```c

#include<stdio.h>
int main()
{
    int i,n,sum=0;
    printf("enter the value: ");
    scanf("%d",&n);
    for(i=2;i<=n;i+=2)
    {
        sum+=i;
    }
    printf("sum of even numbers from 1 to %d =%d",n,sum);
}
```

```
enter the value: 8
sum of even numbers from 1 to 8 =20
--------------------------------
Process exited after 2.927 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\sum of even num.exe
- Output Size: 322.8037109375 KiB
- Compilation Time: 0.25s
```

13)c program to print welcome 100 times

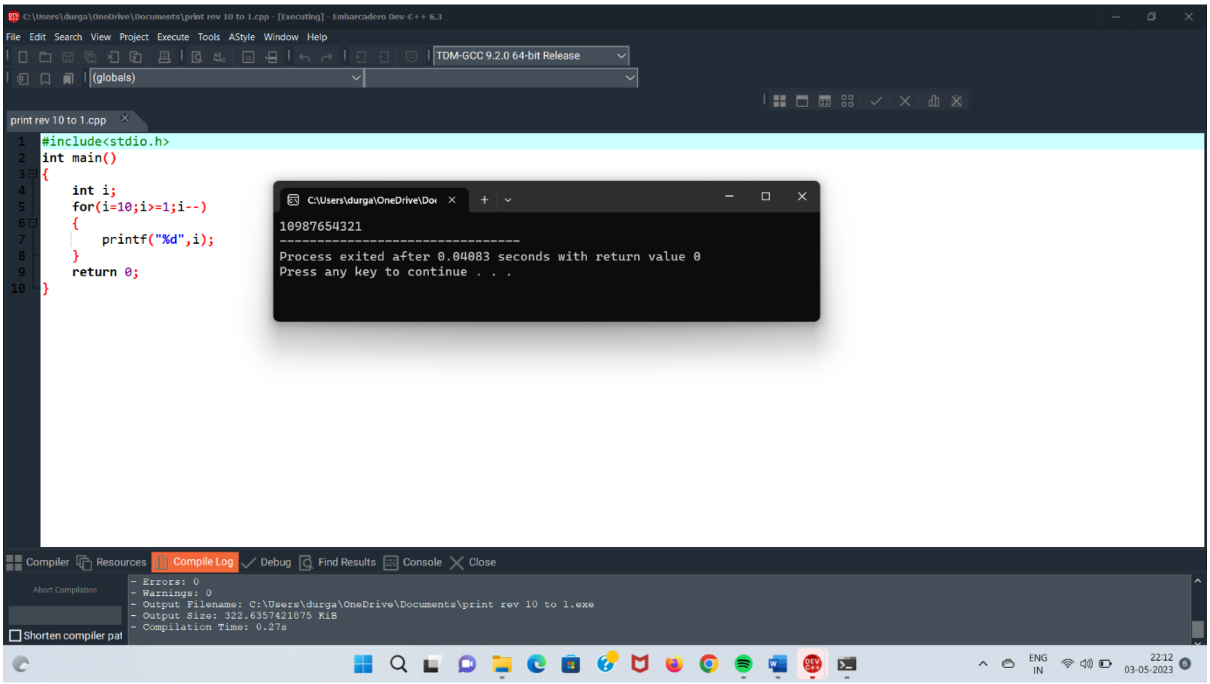


C:\Users\durga\OneDrive\Documents\welcome 100 times.c - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
welcome 100 times.c
C:\Users\durga\OneDrive\I
ENG IN
22:10
03-05-2023

```c
#include<stdio.h>
int main()
{
    int i,n;
    n=100;
    for(i=0;i<n;i++)
    {
        printf("welcome");
    }
}
```

```
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
welcome
```

14)c program to print reverse 10 to 1



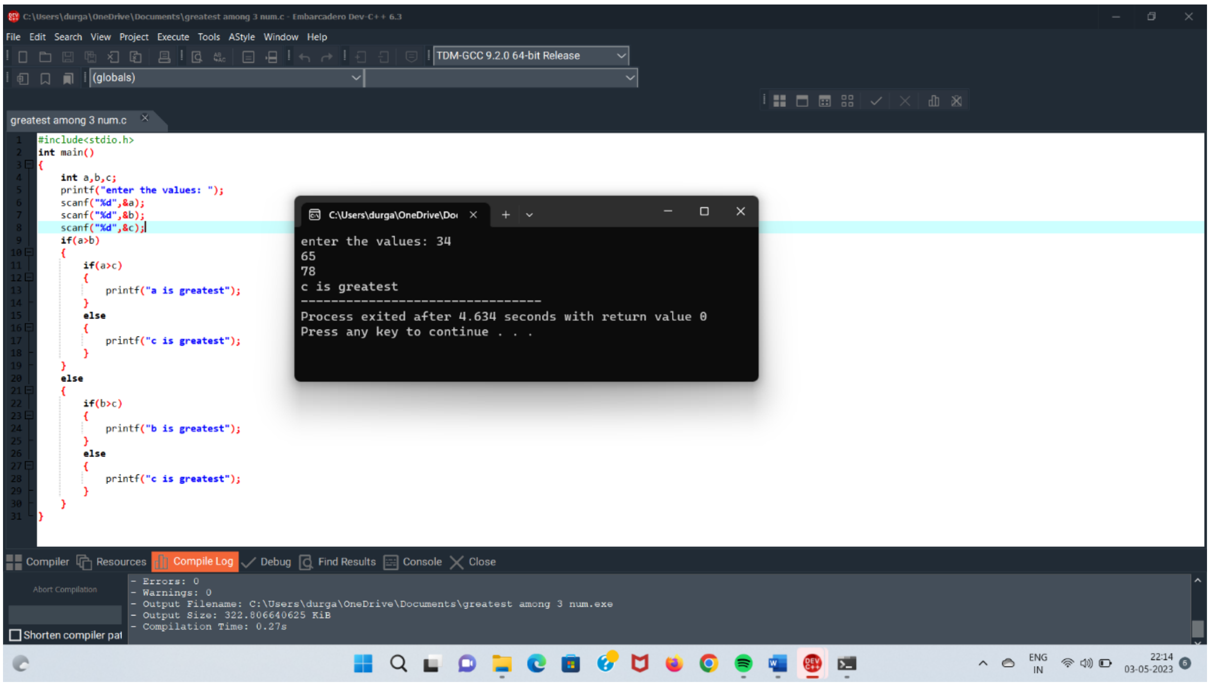
C:\Users\durga\OneDrive\Documents\print rev 10 to 1.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
print rev 10 to 1.cpp
C:\Users\durga\OneDrive\Doc
Compiler
Resources
Compile Log
Debug
Find Results
Console
Close
Abort Compilation
□ Shorten compiler pat
ENG IN
22:12
03-05-2023

```c
#include<stdio.h>
int main()
{
    int i;
    for(i=10;i>=1;i--)
    {
        printf("%d",i);
    }
    return 0;
}
```

```
10987654321
--------------------------------
Process exited after 0.04083 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\print rev 10 to 1.exe
- Output Size: 322.6357421875 KiB
- Compilation Time: 0.27s
```

15)c program to find greatest among 3 numbers

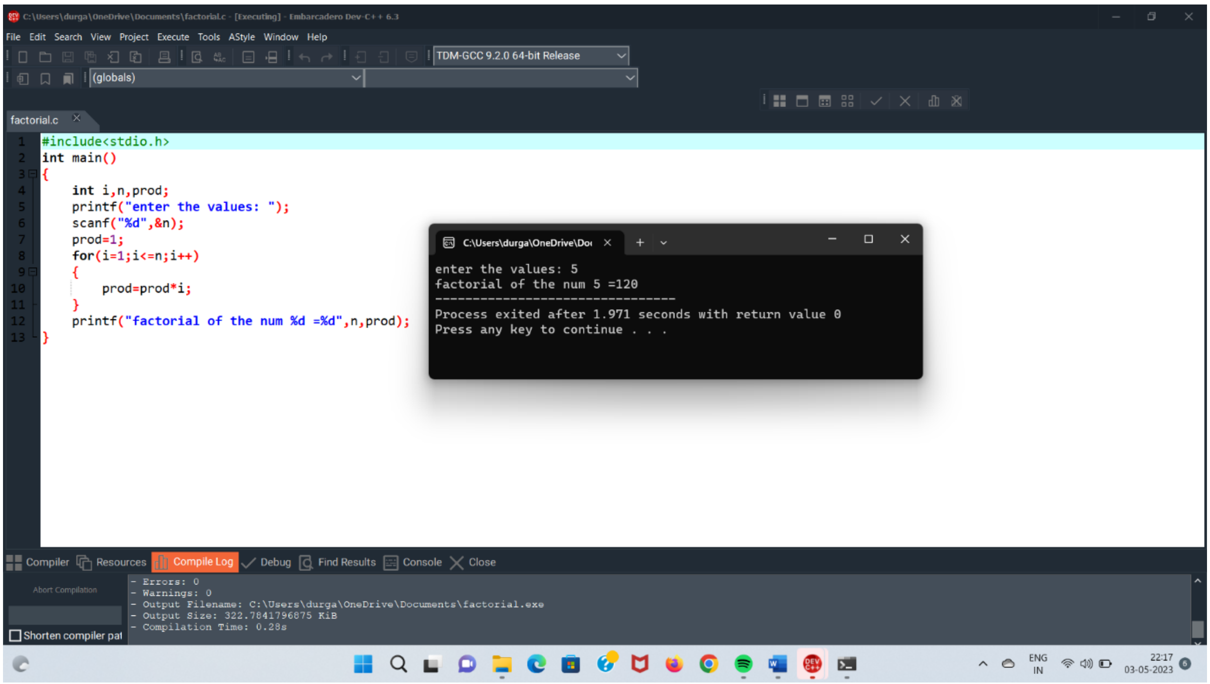

C:\Users\durga\OneDrive\Documents\greatest among 3 num.c - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
greatest among 3 num.c
C:\Users\durga\OneDrive\Doc
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
Shorten compiler pat
ENG IN
22:14
03-05-2023

```c
#include<stdio.h>
int main()
{
	int a,b,c;
	printf("enter the values: ");
	scanf("%d",&a);
	scanf("%d",&b);
	scanf("%d",&c);
	if(a>b)
	{
		if(a>c)
		{
			printf("a is greatest");
		}
		else
		{
			printf("c is greatest");
		}
	}
	else
	{
		if(b>c)
		{
			printf("b is greatest");
		}
		else
		{
			printf("c is greatest");
		}
	}
}
```

```
enter the values: 34
65
78
c is greatest
--------------------------------
Process exited after 4.634 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\greatest among 3 num.exe
- Output Size: 322.806640625 KiB
- Compilation Time: 0.27s
```

16)c program to find factorial of given number

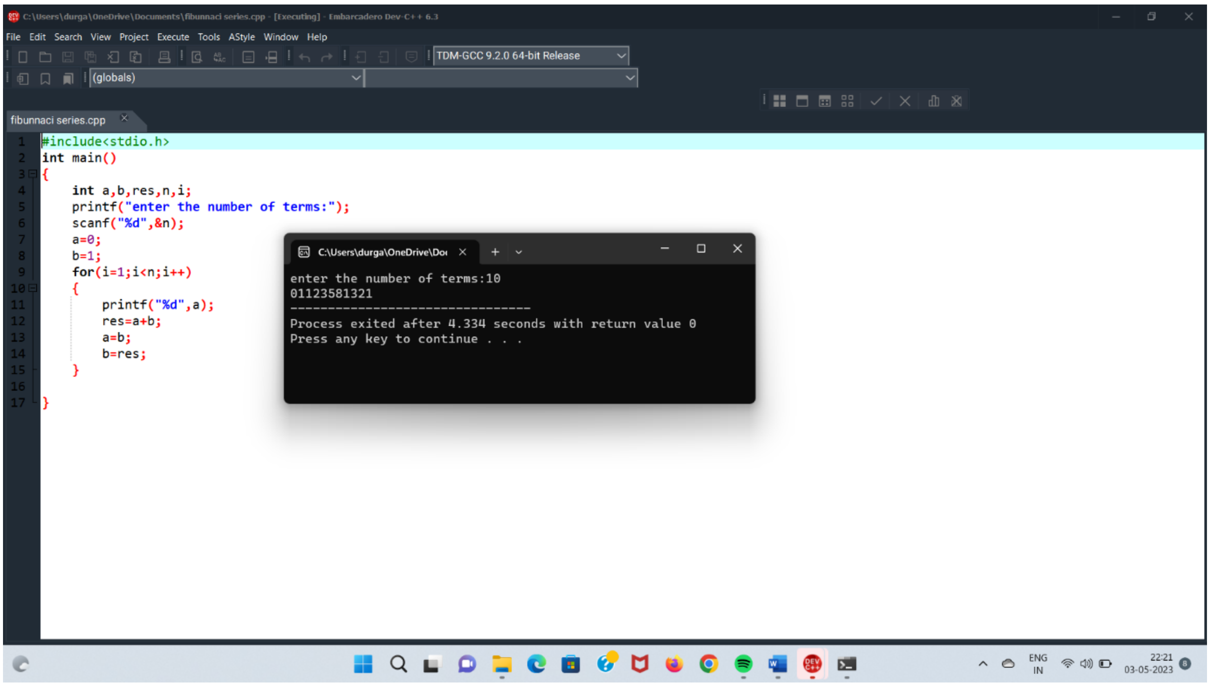

C:\Users\durga\OneDrive\Documents\factorial.c - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
factorial.c
C:\Users\durga\OneDrive\Doc
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
Shorten compiler pat
ENG IN
22:17
03-05-2023

```c
#include<stdio.h>
int main()
{
	int i,n,prod;
	printf("enter the values: ");
	scanf("%d",&n);
	prod=1;
	for(i=1;i<=n;i++)
	{
		prod=prod*i;
	}
	printf("factorial of the num %d =%d",n,prod);
}
```

```
enter the values: 5
factorial of the num 5 =120
--------------------------------
Process exited after 1.971 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\factorial.exe
- Output Size: 322.7841796875 KiB
- Compilation Time: 0.28s
```

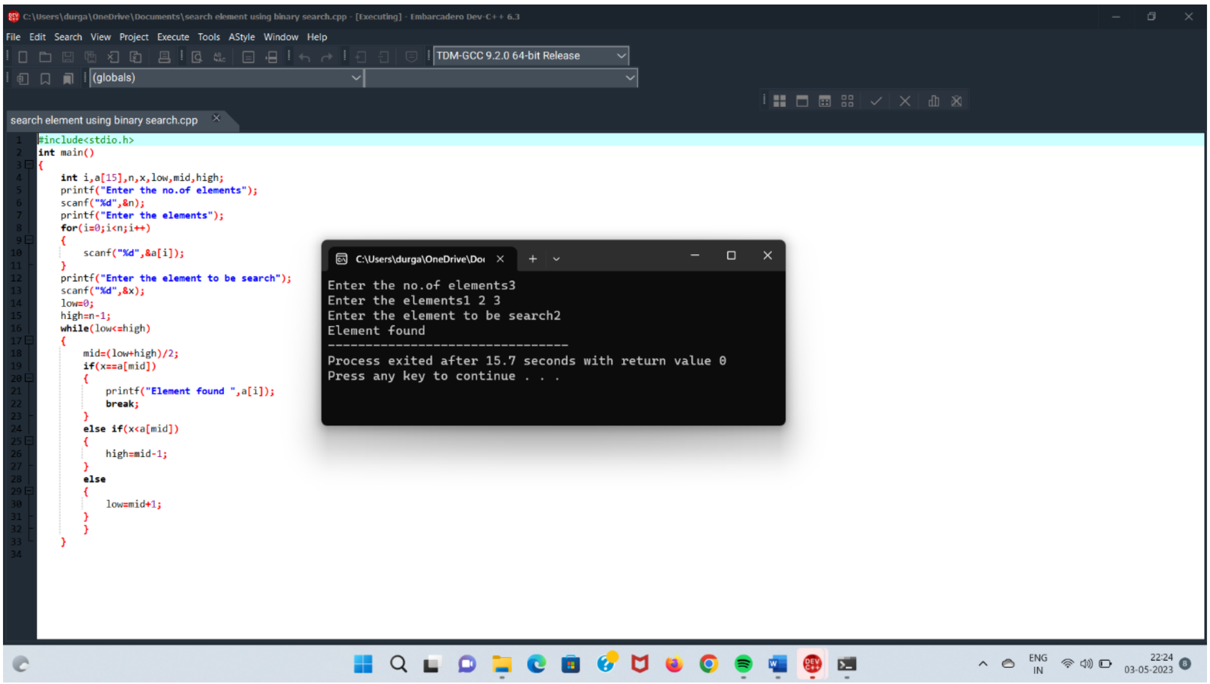
17)c program to find fibunnaci series


C:\Users\durga\OneDrive\Documents\fibunnaci series.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
fibunnaci series.cpp
C:\Users\durga\OneDrive\Doc
ENG IN
22:21
03-05-2023

```
#include<stdio.h>
int main()
{
    int a,b,res,n,i;
    printf("enter the number of terms:");
    scanf("%d",&n);
    a=0;
    b=1;
    for(i=1;i<n;i++)
    {
        printf("%d",a);
        res=a+b;
        a=b;
        b=res;
    }

}
```

```
enter the number of terms:10
01123581321
--------------------------------
Process exited after 4.334 seconds with return value 0
Press any key to continue . . .
```

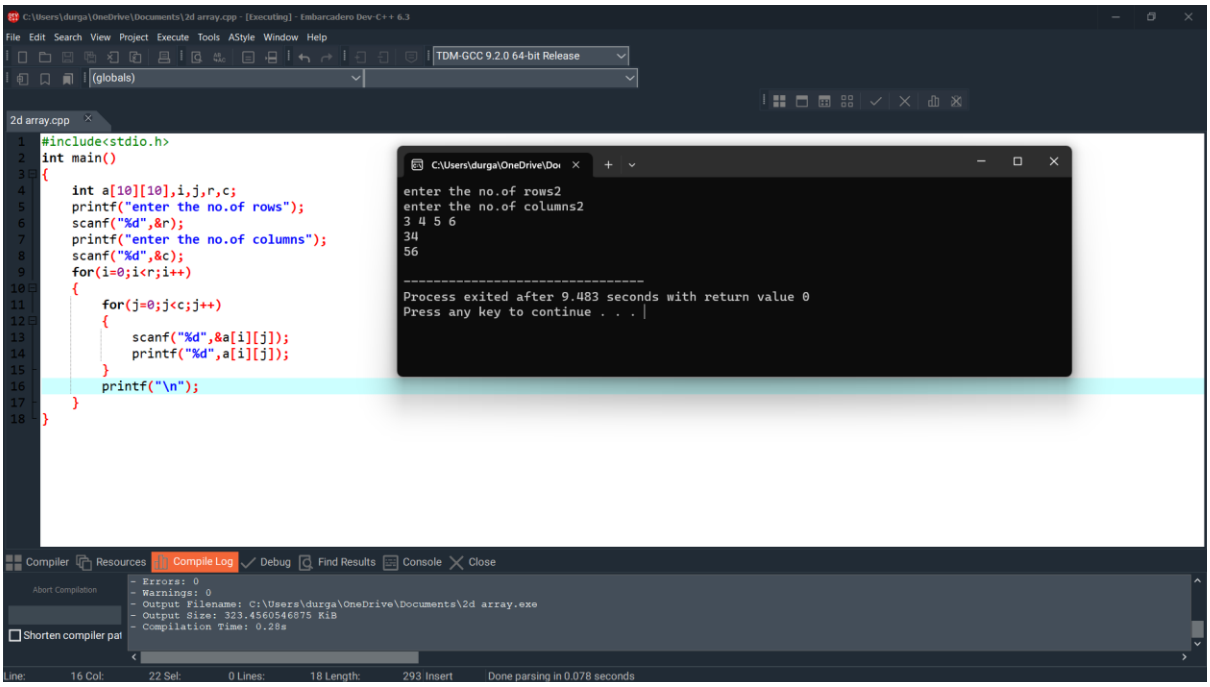
18)c program to search element in array using binary search


C:\Users\durga\OneDrive\Documents\search element using binary search.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
search element using binary search.cpp
C:\Users\durga\OneDrive\Doc
ENG IN
22:24
03-05-2023

```
#include<stdio.h>
int main()
{
    int i,a[15],n,x,low,mid,high;
    printf("Enter the no.of elements");
    scanf("%d",&n);
    printf("Enter the elements");
    for(i=0;i<n;i++)
    {
        scanf("%d",&a[i]);
    }
    printf("Enter the element to be search");
    scanf("%d",&x);
    low=0;
    high=n-1;
    while(low<=high)
    {
        mid=(low+high)/2;
        if(x==a[mid])
        {
            printf("Element found ",a[i]);
            break;
        }
        else if(x<a[mid])
        {
            high=mid-1;
        }
        else
        {
            low=mid+1;
        }
        }
    }
```

```
Enter the no.of elements3
Enter the elements1 2 3
Enter the element to be search2
Element found
--------------------------------
Process exited after 15.7 seconds with return value 0
Press any key to continue . . .
```

19)initialization and printing of 2D array

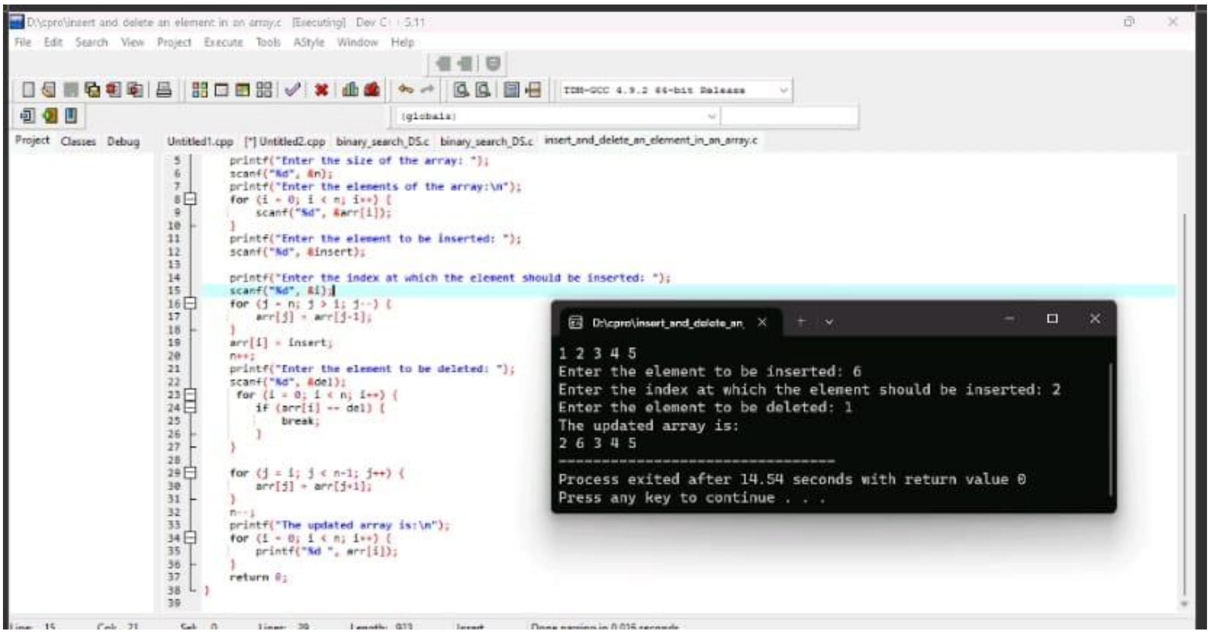


```c
#include<stdio.h>
int main()
{
    int a[10][10],i,j,r,c;
    printf("enter the no.of rows");
    scanf("%d",&r);
    printf("enter the no.of columns");
    scanf("%d",&c);
    for(i=0;i<r;i++)
    {
        for(j=0;j<c;j++)
        {
            scanf("%d",&a[i][j]);
            printf("%d",a[i][j]);
        }
        printf("\n");
    }
}
```

```
enter the no.of rows2
enter the no.of columns2
3 4 5 6
34
56

--------------------------------
Process exited after 9.483 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\durga\OneDrive\Documents\2d array.exe
- Output Size: 323.4560546875 KiB
- Compilation Time: 0.28s
```

20)insert and delete elements in array



```c
    printf("Enter the size of the array: ");
    scanf("%d", &n);
    printf("Enter the elements of the array:\n");
    for (i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }
    printf("Enter the element to be inserted: ");
    scanf("%d", &insert);

    printf("Enter the index at which the element should be inserted: ");
    scanf("%d", &i);
    for (j = n; j > i; j--) {
        arr[j] = arr[j-1];
    }
    arr[i] = insert;
    n++;
    printf("Enter the element to be deleted: ");
    scanf("%d", &del);
     for (i = 0; i < n; i++) {
        if (arr[i] == del) {
            break;
        }
    }

    for (j = i; j < n-1; j++) {
        arr[j] = arr[j+1];
    }
    n--;
    printf("The updated array is:\n");
    for (i = 0; i < n; i++) {
        printf("%d ", arr[i]);
    }
    return 0;
}
```

```
1 2 3 4 5
Enter the element to be inserted: 6
Enter the index at which the element should be inserted: 2
Enter the element to be deleted: 1
The updated array is:
2 6 3 4 5
--------------------------------
Process exited after 14.54 seconds with return value 0
Press any key to continue . . .
```