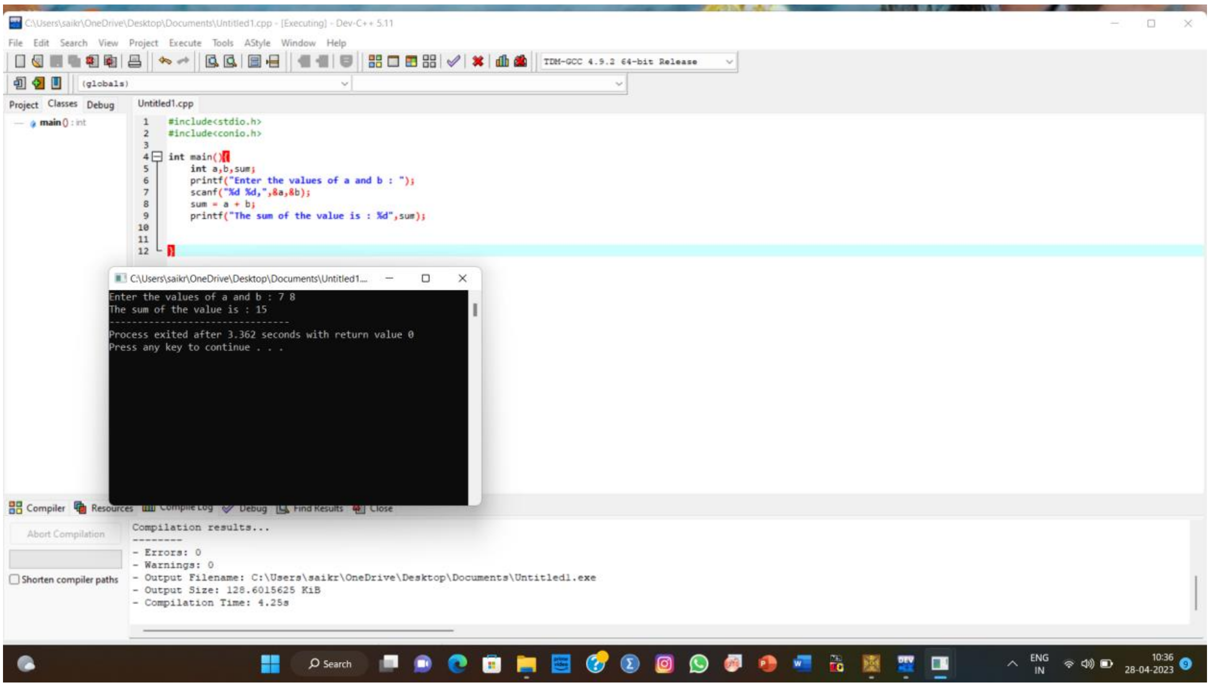
Name : T. Sai krishna

Reg: 192211870

DATA STRUCTURES

1)Addition C



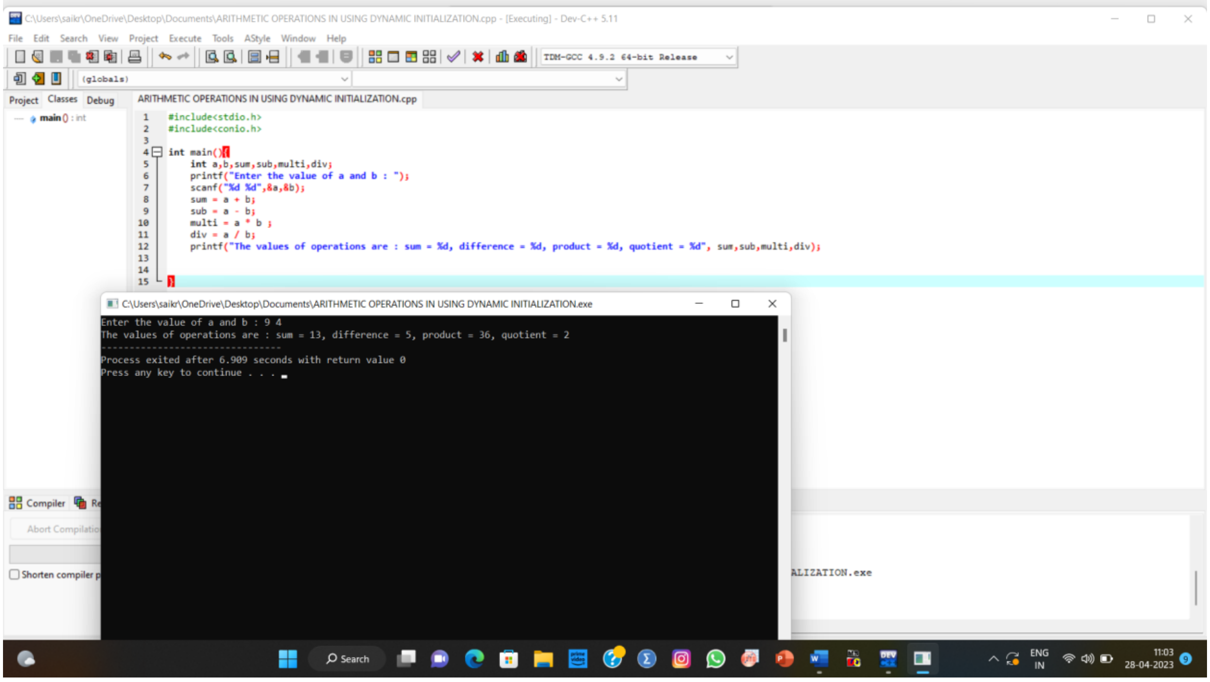
C:\Users\saikr\OneDrive\Desktop\Documents\Untitled1.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
Untitled1.cpp
C:\Users\saikr\OneDrive\Desktop\Documents\Untitled1....
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Search
ENG IN
10:36 28-04-2023

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

int main(){
    int a,b,sum;
    printf("Enter the values of a and b : ");
    scanf("%d %d,",&a,&b);
    sum = a + b;
    printf("The sum of the value is : %d",sum);


}
```

```
Enter the values of a and b : 7 8
The sum of the value is : 15
--------------------------------
Process exited after 3.362 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\Untitled1.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 4.25s
```

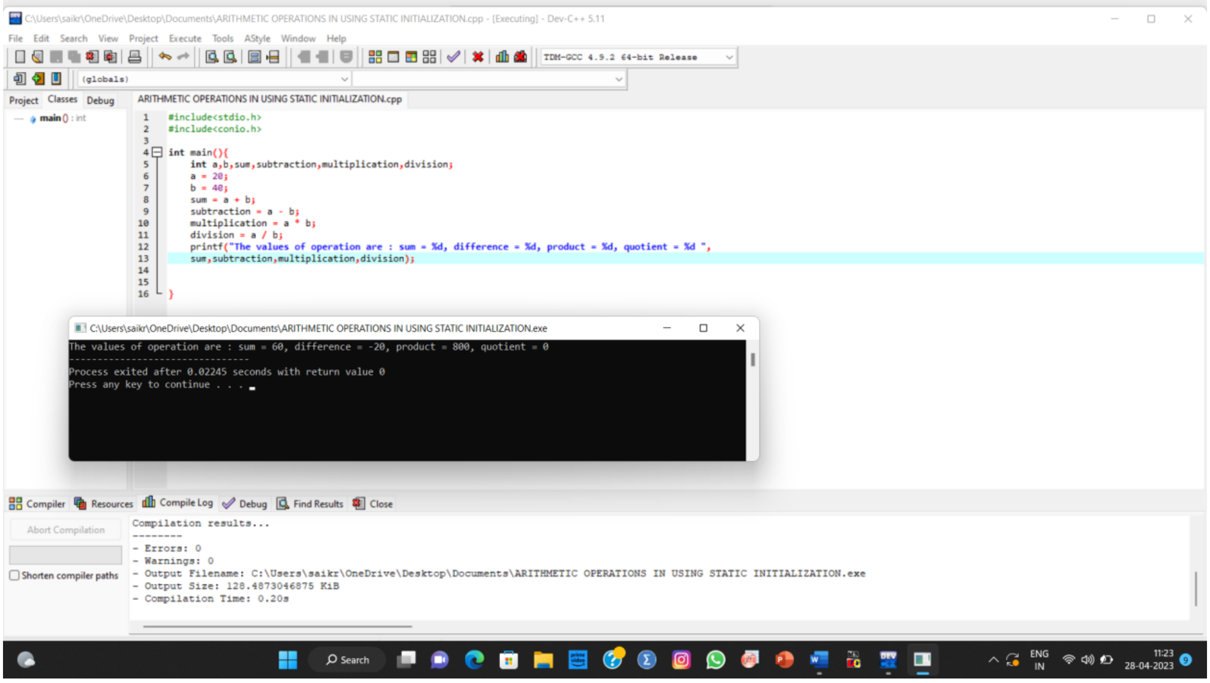
2)ARITHMETIC OPERATIONS IN USING DYNAMIC INITIALIZATION


C:\Users\saikr\OneDrive\Desktop\Documents\ARITHMETIC OPERATIONS IN USING DYNAMIC INITIALIZATION.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
main () : int
ARITHMETIC OPERATIONS IN USING DYNAMIC INITIALIZATION.cpp
C:\Users\saikr\OneDrive\Desktop\Documents\ARITHMETIC OPERATIONS IN USING DYNAMIC INITIALIZATION.exe
Compiler
Abort Compilatio
Shorten compiler p
ALIZATION.exe
Search
ENG IN
11:03
28-04-2023

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

int main(){
    int a,b,sum,sub,multi,div;
    printf("Enter the value of a and b : ");
    scanf("%d %d",&a,&b);
    sum = a + b;
    sub = a - b;
    multi = a * b ;
    div = a / b;
    printf("The values of operations are : sum = %d, difference = %d, product = %d, quotient = %d", sum,sub,multi,div);


}
```

```
Enter the value of a and b : 9 4
The values of operations are : sum = 13, difference = 5, product = 36, quotient = 2
--------------------------------
Process exited after 6.909 seconds with return value 0
Press any key to continue . . .
```

3)ARITHMETIC OPERATIONS IN USING STATIC INITIALIZATION

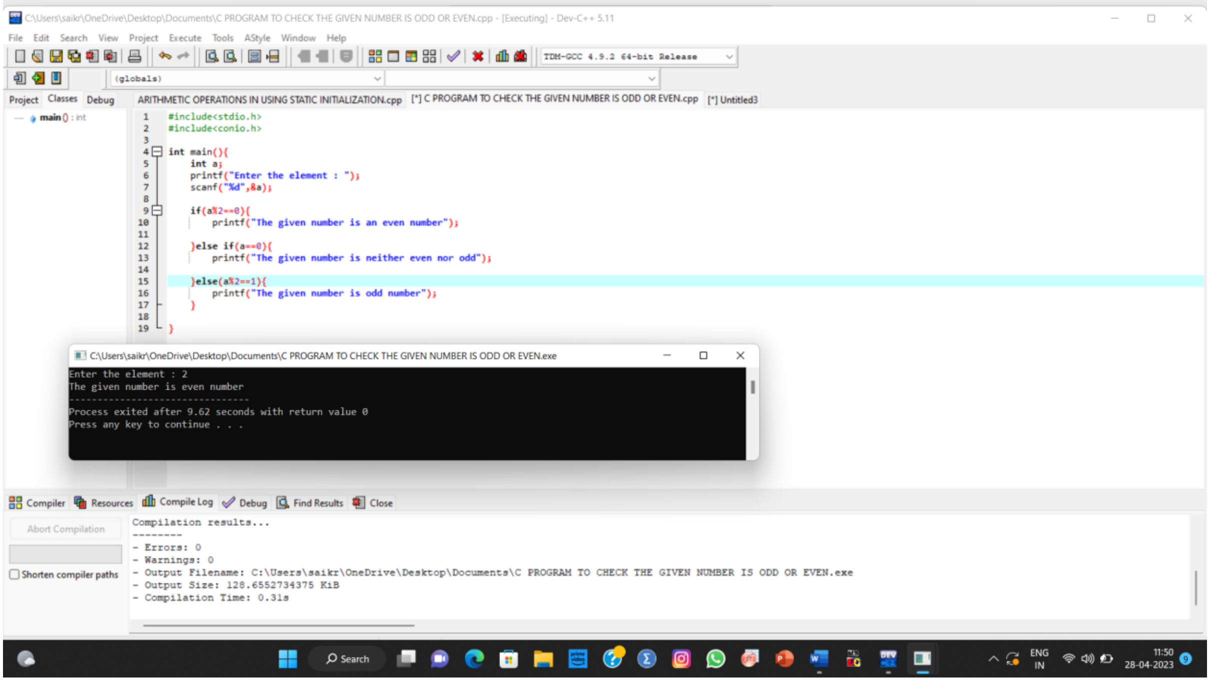

C:\Users\saikr\OneDrive\Desktop\Documents\ARITHMETIC OPERATIONS IN USING STATIC INITIALIZATION.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
ARITHMETIC OPERATIONS IN USING STATIC INITIALIZATION.cpp
C:\Users\saikr\OneDrive\Desktop\Documents\ARITHMETIC OPERATIONS IN USING STATIC INITIALIZATION.exe
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Search
ENG IN
11:23
28-04-2023

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

int main(){
    int a,b,sum,subtraction,multiplication,division;
    a = 20;
    b = 40;
    sum = a + b;
    subtraction = a - b;
    multiplication = a * b;
    division = a / b;
    printf("The values of operation are : sum = %d, difference = %d, product = %d, quotient = %d ",
    sum,subtraction,multiplication,division);


}
```

```
The values of operation are : sum = 60, difference = -20, product = 800, quotient = 0
--------------------------------
Process exited after 0.02245 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\ARITHMETIC OPERATIONS IN USING STATIC INITIALIZATION.exe
- Output Size: 128.4873046875 KiB
- Compilation Time: 0.20s
```

4) C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN



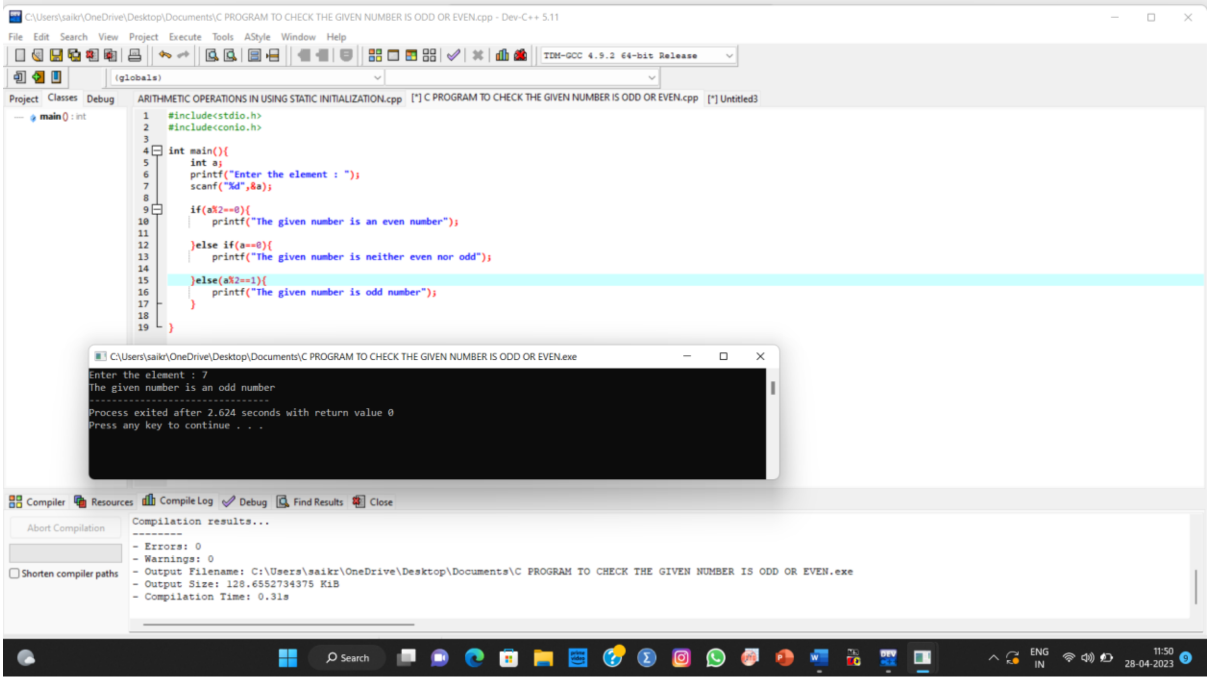
C:\Users\saikr\OneDrive\Desktop\Documents\C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
ARITHMETIC OPERATIONS IN USING STATIC INITIALIZATION.cpp
[*] C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp
[*] Untitled3
main () : int

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

int main(){
    int a;
    printf("Enter the element : ");
    scanf("%d",&a);

    if(a%2==0){
        printf("The given number is an even number");

    }else if(a==0){
        printf("The given number is neither even nor odd");

    }else(a%2==1){
        printf("The given number is odd number");
    }

}
```

```
Enter the element : 2
The given number is even number
--------------------------------
Process exited after 9.62 seconds with return value 0
Press any key to continue . . .
```

Compiler
Resources
Compile Log
Debug
Find Results
Close
Abort Compilation
□ Shorten compiler paths
Search
ENG
IN
11:50
28-04-2023

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.exe
- Output Size: 128.6552734375 KiB
- Compilation Time: 0.31s
```



C:\Users\saikr\OneDrive\Desktop\Documents\C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.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
ARITHMETIC OPERATIONS IN USING STATIC INITIALIZATION.cpp
[*] C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp
[*] Untitled3
main () : int

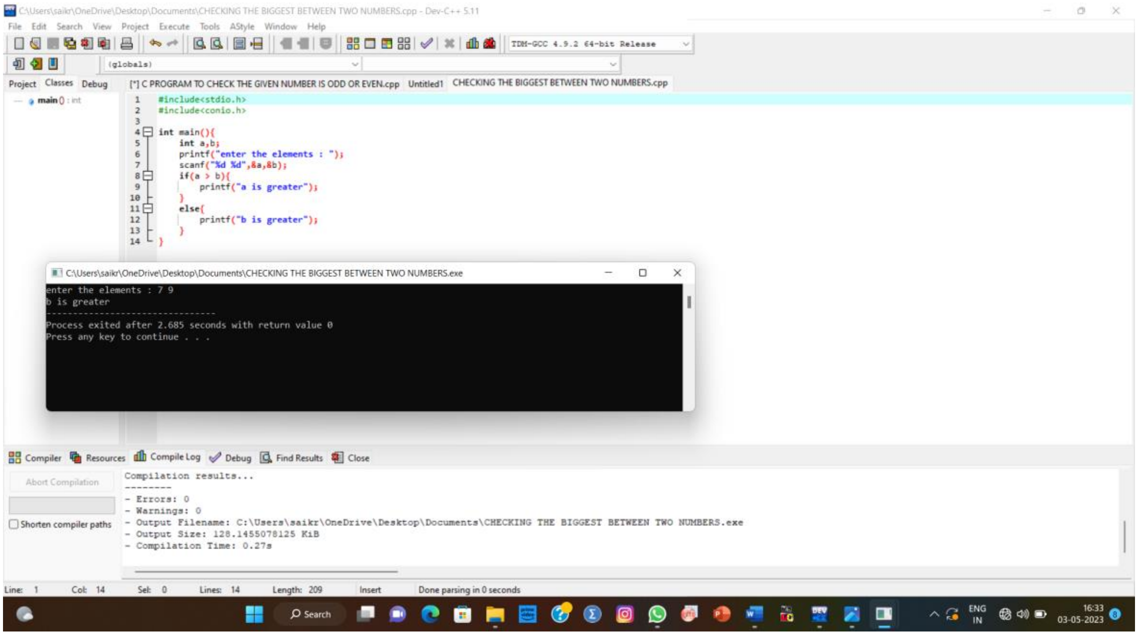
```c
#include<stdio.h>
#include<conio.h>

int main(){
    int a;
    printf("Enter the element : ");
    scanf("%d",&a);

    if(a%2==0){
        printf("The given number is an even number");

    }else if(a==0){
        printf("The given number is neither even nor odd");

    }else(a%2==1){
        printf("The given number is odd number");
    }

}
```

```
Enter the element : 7
The given number is an odd number
--------------------------------
Process exited after 2.624 seconds with return value 0
Press any key to continue . . .
```

Compiler
Resources
Compile Log
Debug
Find Results
Close
Abort Compilation
□ Shorten compiler paths
Search
ENG
IN
11:50
28-04-2023

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.exe
- Output Size: 128.6552734375 KiB
- Compilation Time: 0.31s
```

5) CHECKING THE BIGGEST BETWEEN TWO NUMBERS

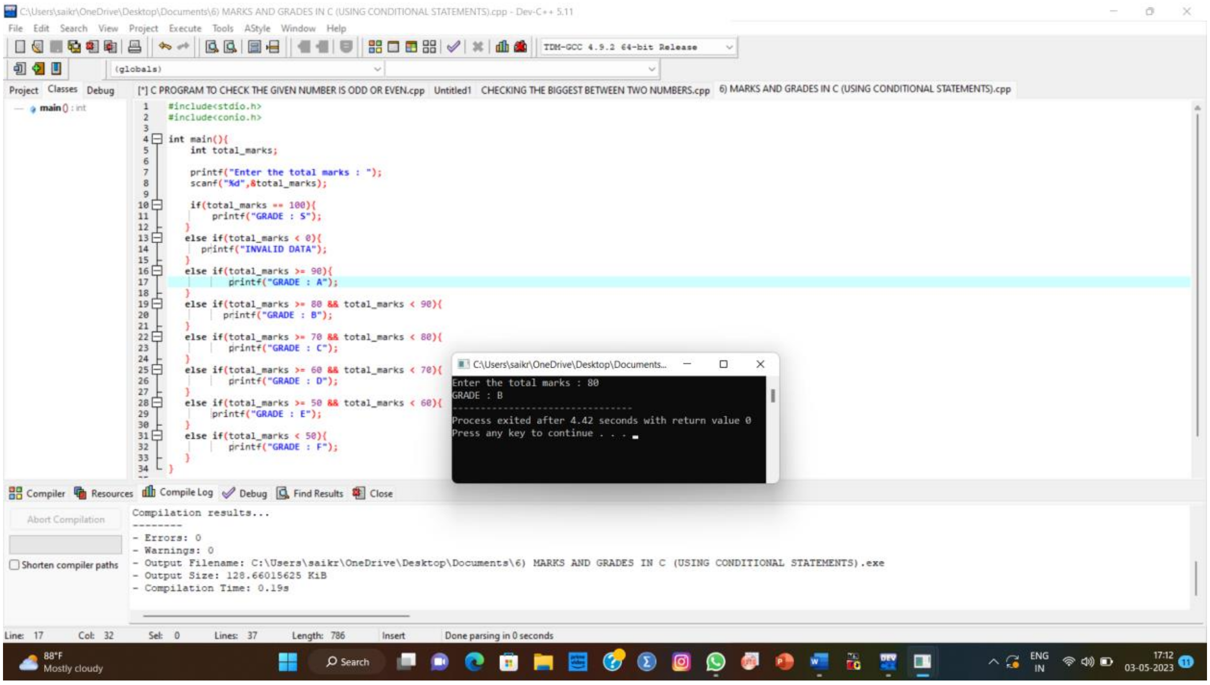

C:\Users\saikr\OneDrive\Desktop\Documents\CHECKING THE BIGGEST BETWEEN TWO NUMBERS.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
[*] C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp
Untitled1
CHECKING THE BIGGEST BETWEEN TWO NUMBERS.cpp
main () : int
C:\Users\saikr\OneDrive\Desktop\Documents\CHECKING THE BIGGEST BETWEEN TWO NUMBERS.exe
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 1 Col: 14 Sel: 0 Lines: 14 Length: 209 Insert Done parsing in 0 seconds
Search
ENG IN
16:33
03-05-2023

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

int main(){
    int a,b;
    printf("enter the elements : ");
    scanf("%d %d",&a,&b);
    if(a > b){
        printf("a is greater");
    }
    else{
        printf("b is greater");
    }
}
```

```
enter the elements : 7 9
b is greater
--------------------------------
Process exited after 2.685 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\CHECKING THE BIGGEST BETWEEN TWO NUMBERS.exe
- Output Size: 128.1455078125 KiB
- Compilation Time: 0.27s
```

6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS)

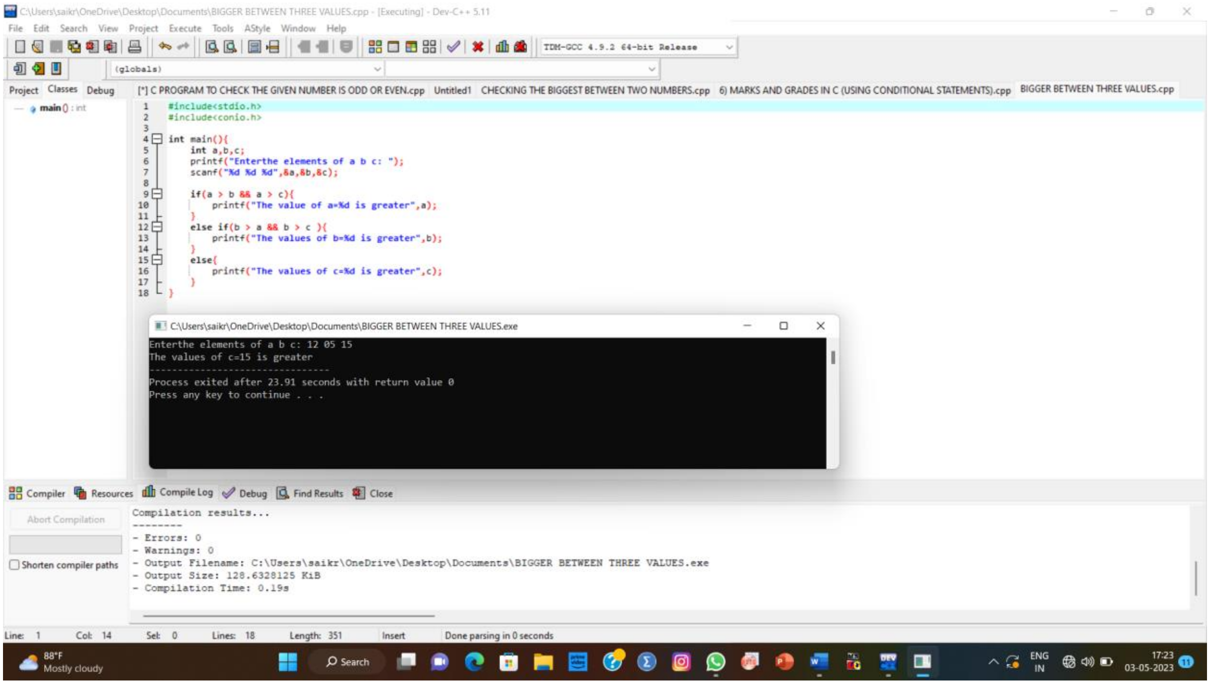

C:\Users\saikr\OneDrive\Desktop\Documents\6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS).cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
[*] C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp
Untitled1
CHECKING THE BIGGEST BETWEEN TWO NUMBERS.cpp
6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS).cpp
main () : int
C:\Users\saikr\OneDrive\Desktop\Documents...
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 17 Col: 32 Sel: 0 Lines: 37 Length: 786 Insert Done parsing in 0 seconds
88°F
Mostly cloudy
Search
ENG IN
17:12
03-05-2023

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

int main(){
    int total_marks;

    printf("Enter the total marks : ");
    scanf("%d",&total_marks);

    if(total_marks == 100){
        printf("GRADE : S");
    }
   else if(total_marks < 0){
      printf("INVALID DATA");
   }
   else if(total_marks >= 90){
          printf("GRADE : A");
   }
   else if(total_marks >= 80 && total_marks < 90){
         printf("GRADE : B");
   }
   else if(total_marks >= 70 && total_marks < 80){
          printf("GRADE : C");
   }
   else if(total_marks >= 60 && total_marks < 70){
          printf("GRADE : D");
   }
   else if(total_marks >= 50 && total_marks < 60){
        printf("GRADE : E");
   }
   else if(total_marks < 50){
          printf("GRADE : F");
   }
}
```

```
Enter the total marks : 80
GRADE : B
--------------------------------
Process exited after 4.42 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS).exe
- Output Size: 128.66015625 KiB
- Compilation Time: 0.19s
```

7) BIGGER BETWEEN THREE VALUES



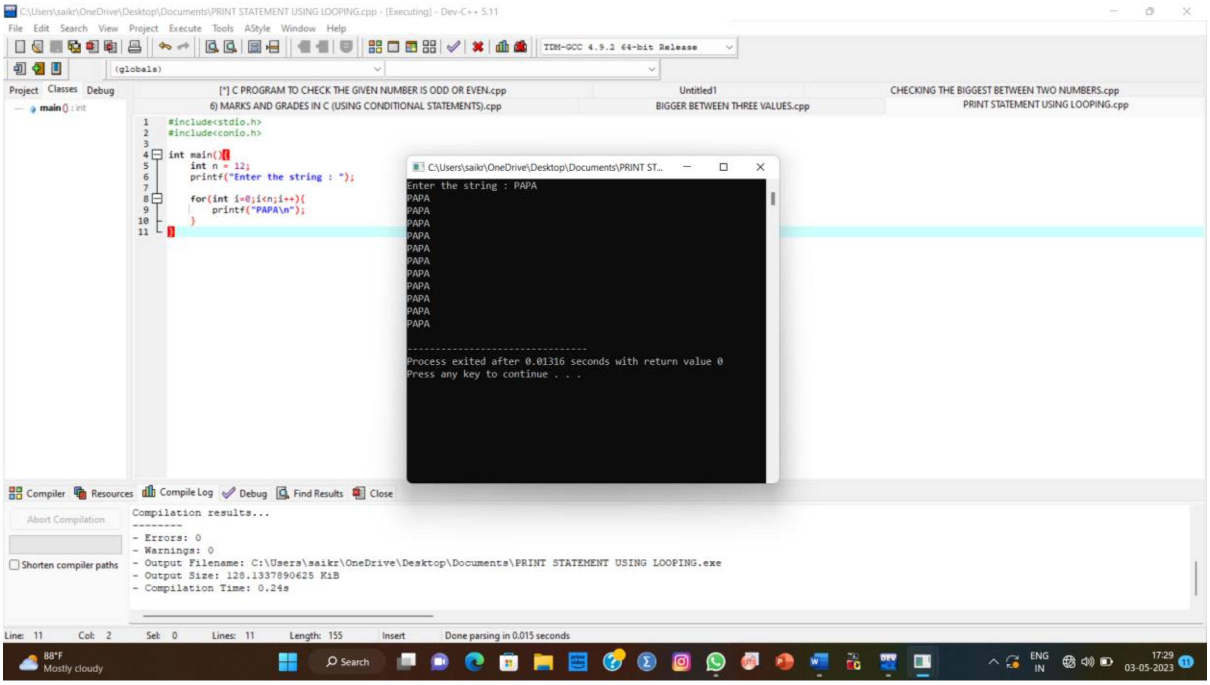
C:\Users\saikr\OneDrive\Desktop\Documents\BIGGER BETWEEN THREE VALUES.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
[*] C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp
Untitled1
CHECKING THE BIGGEST BETWEEN TWO NUMBERS.cpp
6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS).cpp
BIGGER BETWEEN THREE VALUES.cpp
C:\Users\saikr\OneDrive\Desktop\Documents\BIGGER BETWEEN THREE VALUES.exe
Compiler
Resources
Compile Log
Debug
Find Results
Close
Abort Compilation
□ Shorten compiler paths
Line: 1 Col: 14 Sel: 0 Lines: 18 Length: 351 Insert Done parsing in 0 seconds
88°F Mostly cloudy
Search
ENG IN
17:23 03-05-2023

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

int main(){
    int a,b,c;
    printf("Enterthe elements of a b c: ");
    scanf("%d %d %d",&a,&b,&c);

    if(a > b && a > c){
        printf("The value of a=%d is greater",a);
    }
    else if(b > a && b > c ){
        printf("The values of b=%d is greater",b);
    }
    else{
        printf("The values of c=%d is greater",c);
    }
}
```

```
Enterthe elements of a b c: 12 05 15
The values of c=15 is greater
--------------------------------
Process exited after 23.91 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\BIGGER BETWEEN THREE VALUES.exe
- Output Size: 128.6328125 KiB
- Compilation Time: 0.19s
```

8)PRINT STATEMENT USING LOOPING



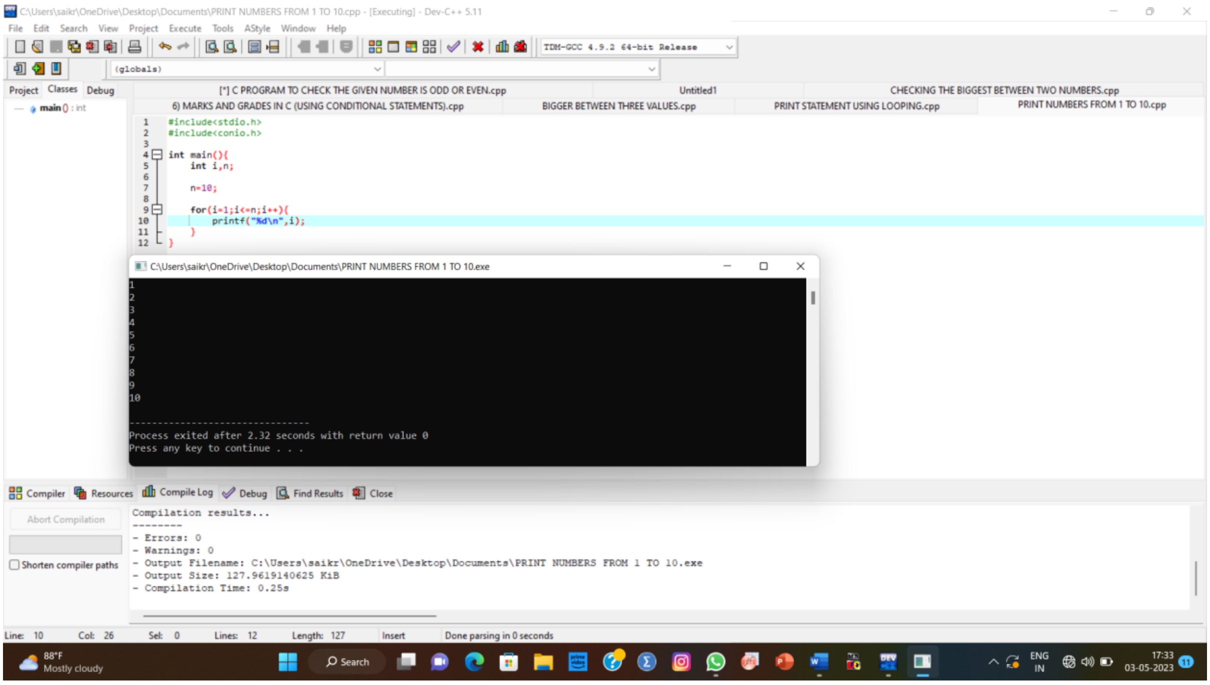
C:\Users\saikr\OneDrive\Desktop\Documents\PRINT STATEMENT USING LOOPING.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
[*] C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp
Untitled1
CHECKING THE BIGGEST BETWEEN TWO NUMBERS.cpp
6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS).cpp
BIGGER BETWEEN THREE VALUES.cpp
PRINT STATEMENT USING LOOPING.cpp
C:\Users\saikr\OneDrive\Desktop\Documents\PRINT ST...
Compiler
Resources
Compile Log
Debug
Find Results
Close
Abort Compilation
□ Shorten compiler paths
Line: 11 Col: 2 Sel: 0 Lines: 11 Length: 155 Insert Done parsing in 0.015 seconds
88°F Mostly cloudy
Search
ENG IN
17:29 03-05-2023

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

int main(){
    int n = 12;
    printf("Enter the string : ");

    for(int i=0;i<n;i++){
        printf("PAPA\n");
    }
}
```

```
Enter the string : PAPA
PAPA
PAPA
PAPA
PAPA
PAPA
PAPA
PAPA
PAPA
PAPA
PAPA
PAPA

--------------------------------
Process exited after 0.01316 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\PRINT STATEMENT USING LOOPING.exe
- Output Size: 128.1337890625 KiB
- Compilation Time: 0.24s
```

9)PRINT NUMBERS FROM 1 TO 10



C:\Users\saikr\OneDrive\Desktop\Documents\PRINT NUMBERS FROM 1 TO 10.cpp - [Executing] - Dev-C++ 5.11

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

int main(){
    int i,n;

    n=10;

    for(i=1;i<=n;i++){
        printf("%d\n",i);
    }
}
```

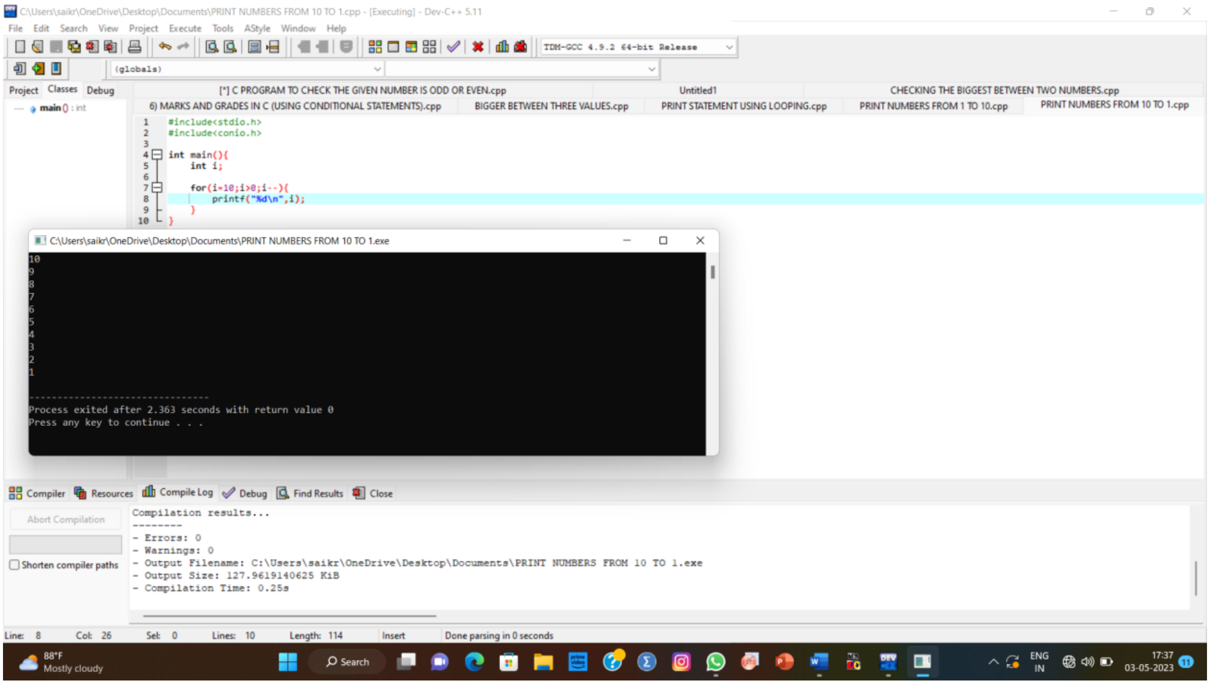
C:\Users\saikr\OneDrive\Desktop\Documents\PRINT NUMBERS FROM 1 TO 10.exe

```
1
2
3
4
5
6
7
8
9
10

--------------------------------
Process exited after 2.32 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\PRINT NUMBERS FROM 1 TO 10.exe
- Output Size: 127.9619140625 KiB
- Compilation Time: 0.25s
```

File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
[*] C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp
Untitled1
CHECKING THE BIGGEST BETWEEN TWO NUMBERS.cpp
6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS).cpp
BIGGER BETWEEN THREE VALUES.cpp
PRINT STATEMENT USING LOOPING.cpp
PRINT NUMBERS FROM 1 TO 10.cpp
Project Classes Debug
main () : int
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 10 Col: 26 Sel: 0 Lines: 12 Length: 127 Insert Done parsing in 0 seconds
88°F Mostly cloudy
Search
ENG IN
17:33
03-05-2023

10)PRINT NUMBERS FROM 10 TO 1



C:\Users\saikr\OneDrive\Desktop\Documents\PRINT NUMBERS FROM 10 TO 1.cpp - [Executing] - Dev-C++ 5.11

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

int main(){
    int i;

    for(i=10;i>0;i--){
        printf("%d\n",i);
    }
}
```

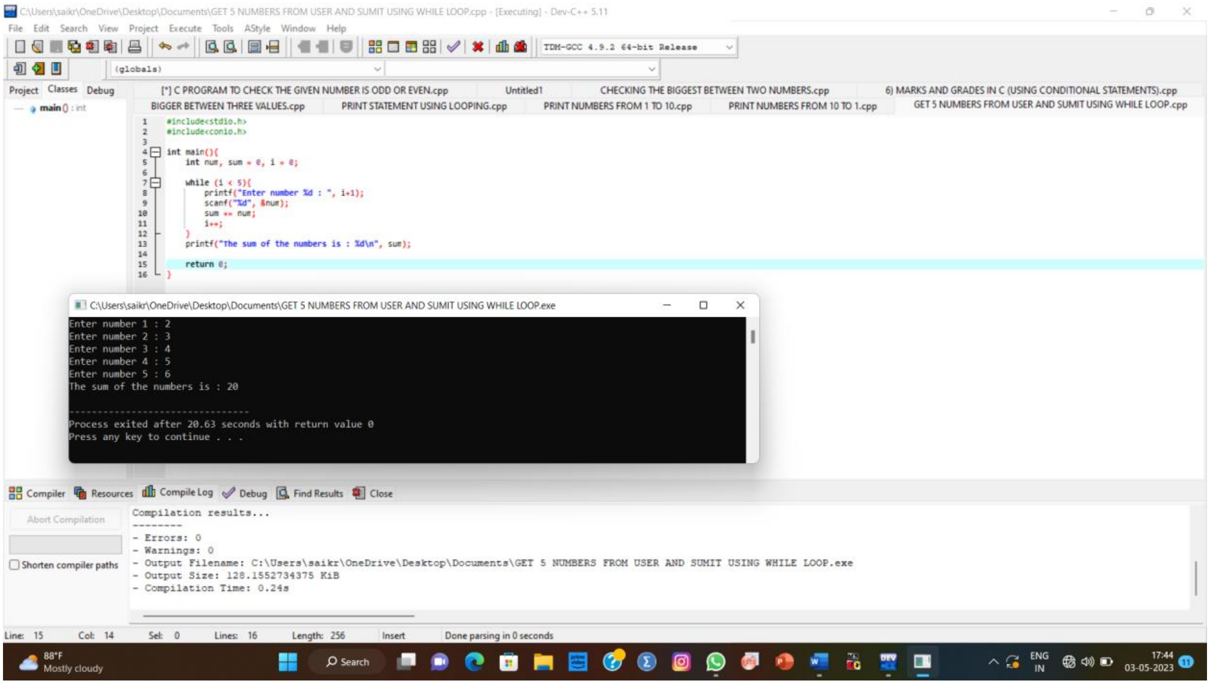
C:\Users\saikr\OneDrive\Desktop\Documents\PRINT NUMBERS FROM 10 TO 1.exe

```
10
9
8
7
6
5
4
3
2
1

--------------------------------
Process exited after 2.363 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\PRINT NUMBERS FROM 10 TO 1.exe
- Output Size: 127.9619140625 KiB
- Compilation Time: 0.25s
```

File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
[*] C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp
Untitled1
CHECKING THE BIGGEST BETWEEN TWO NUMBERS.cpp
6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS).cpp
BIGGER BETWEEN THREE VALUES.cpp
PRINT STATEMENT USING LOOPING.cpp
PRINT NUMBERS FROM 1 TO 10.cpp
PRINT NUMBERS FROM 10 TO 1.cpp
Project Classes Debug
main () : int
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 8 Col: 26 Sel: 0 Lines: 10 Length: 114 Insert Done parsing in 0 seconds
88°F Mostly cloudy
Search
ENG IN
17:37
03-05-2023

11)GET 5 NUMBERS FROM USER AND SUM IT USING WHILE LOOP

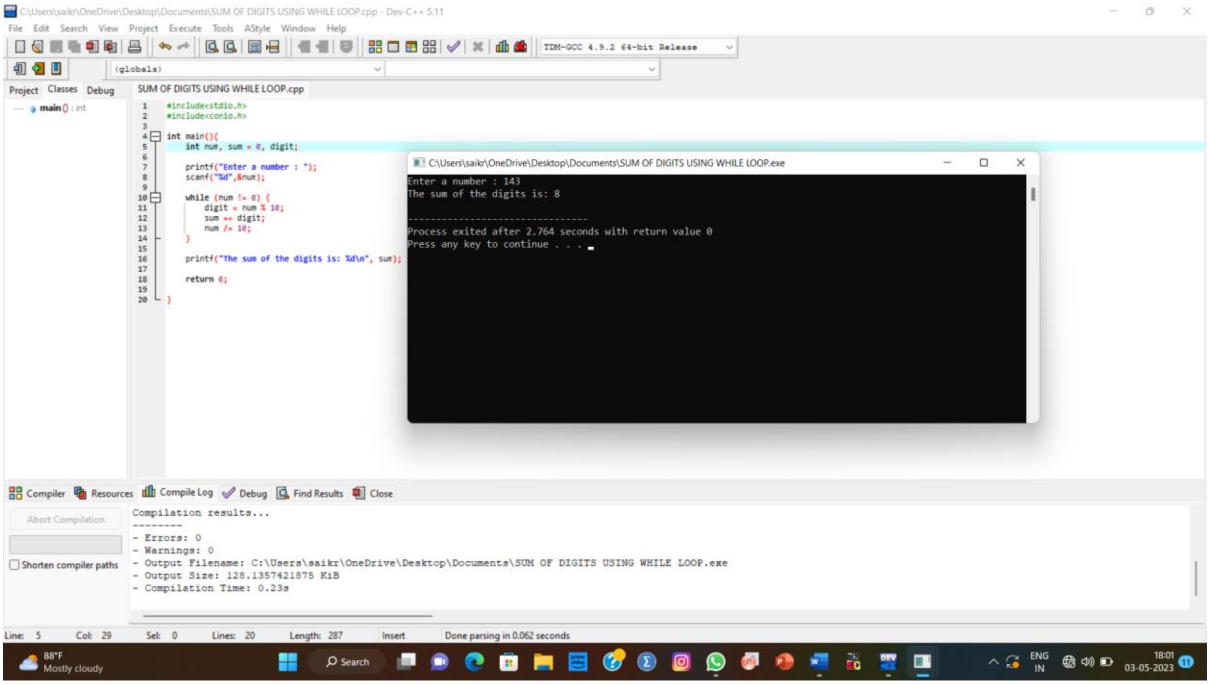

C:\Users\saikr\OneDrive\Desktop\Documents\GET 5 NUMBERS FROM USER AND SUMIT USING WHILE LOOP.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
[*] C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN.cpp
Untitled1
CHECKING THE BIGGEST BETWEEN TWO NUMBERS.cpp
6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS).cpp
BIGGER BETWEEN THREE VALUES.cpp
PRINT STATEMENT USING LOOPING.cpp
PRINT NUMBERS FROM 1 TO 10.cpp
PRINT NUMBERS FROM 10 TO 1.cpp
GET 5 NUMBERS FROM USER AND SUMIT USING WHILE LOOP.cpp
main () : int
C:\Users\saikr\OneDrive\Desktop\Documents\GET 5 NUMBERS FROM USER AND SUMIT USING WHILE LOOP.exe
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
□ Shorten compiler paths
Line: 15 Col: 14 Sel: 0 Lines: 16 Length: 256 Insert Done parsing in 0 seconds
88°F Mostly cloudy
Search
ENG IN
17:44 03-05-2023

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

int main(){
    int num, sum = 0, i = 0;

    while (i < 5){
        printf("Enter number %d : ", i+1);
        scanf("%d", &num);
        sum += num;
        i++;
    }
    printf("The sum of the numbers is : %d\n", sum);

    return 0;
}
```

```
Enter number 1 : 2
Enter number 2 : 3
Enter number 3 : 4
Enter number 4 : 5
Enter number 5 : 6
The sum of the numbers is : 20

--------------------------------
Process exited after 20.63 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\GET 5 NUMBERS FROM USER AND SUMIT USING WHILE LOOP.exe
- Output Size: 128.1552734375 KiB
- Compilation Time: 0.24s
```

12)SUM OF DIGITS USING WHILE LOOP

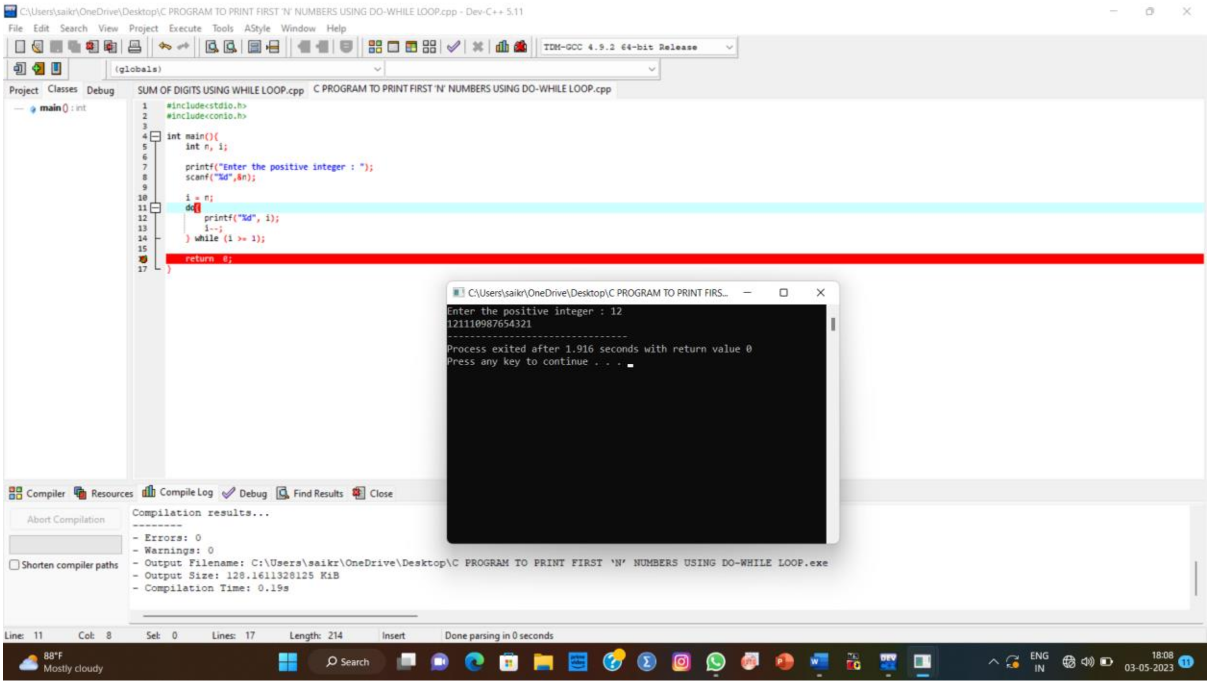

C:\Users\saikr\OneDrive\Desktop\Documents\SUM OF DIGITS USING WHILE LOOP.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
SUM OF DIGITS USING WHILE LOOP.cpp
main () : int
C:\Users\saikr\OneDrive\Desktop\Documents\SUM OF DIGITS USING WHILE LOOP.exe
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
□ Shorten compiler paths
Line: 5 Col: 29 Sel: 0 Lines: 20 Length: 287 Insert Done parsing in 0.062 seconds
88°F Mostly cloudy
Search
ENG IN
18:01 03-05-2023

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

int main(){
    int num, sum = 0, digit;

    printf("Enter a number : ");
    scanf("%d",&num);

    while (num != 0) {
        digit = num % 10;
        sum += digit;
        num /= 10;
    }

    printf("The sum of the digits is: %d\n", sum);

    return 0;
}
```

```
Enter a number : 143
The sum of the digits is: 8

--------------------------------
Process exited after 2.764 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\Documents\SUM OF DIGITS USING WHILE LOOP.exe
- Output Size: 128.1357421875 KiB
- Compilation Time: 0.23s
```

13)C PROGRAM TO PRINT FIRST ‘N’ NUMBERS USING DO-WHILE LOOP

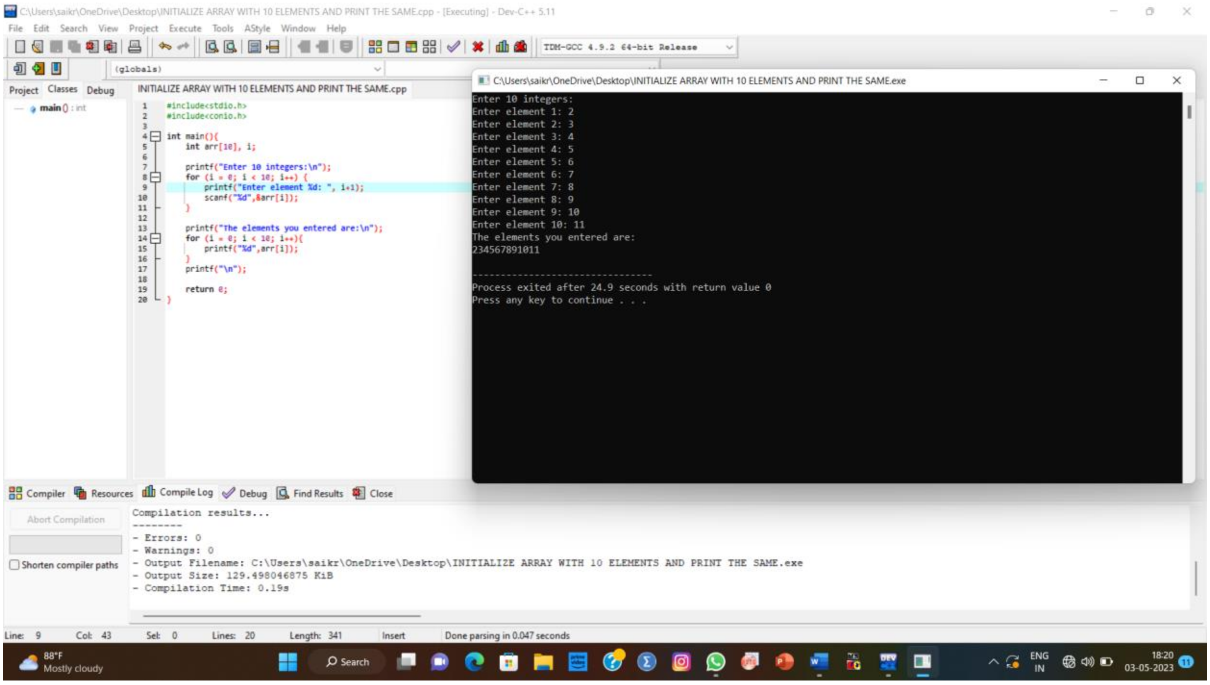

C:\Users\saikr\OneDrive\Desktop\C PROGRAM TO PRINT FIRST 'N' NUMBERS USING DO-WHILE LOOP.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
SUM OF DIGITS USING WHILE LOOP.cpp
C PROGRAM TO PRINT FIRST 'N' NUMBERS USING DO-WHILE LOOP.cpp
C:\Users\saikr\OneDrive\Desktop\C PROGRAM TO PRINT FIRS...
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 11 Col: 8 Sel: 0 Lines: 17 Length: 214 Insert Done parsing in 0 seconds
88°F Mostly cloudy
Search
ENG IN
18:08 03-05-2023

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

int main(){
    int n, i;

    printf("Enter the positive integer : ");
    scanf("%d",&n);

    i = n;
    do{
        printf("%d", i);
        i--;
    } while (i >= 1);

    return 0;
}
```

```
Enter the positive integer : 12
121110987654321
--------------------------------
Process exited after 1.916 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\C PROGRAM TO PRINT FIRST 'N' NUMBERS USING DO-WHILE LOOP.exe
- Output Size: 128.1611328125 KiB
- Compilation Time: 0.19s
```

14)INITIALIZE ARRAY WITH 10 ELEMENTS AND PRINT THE SAME

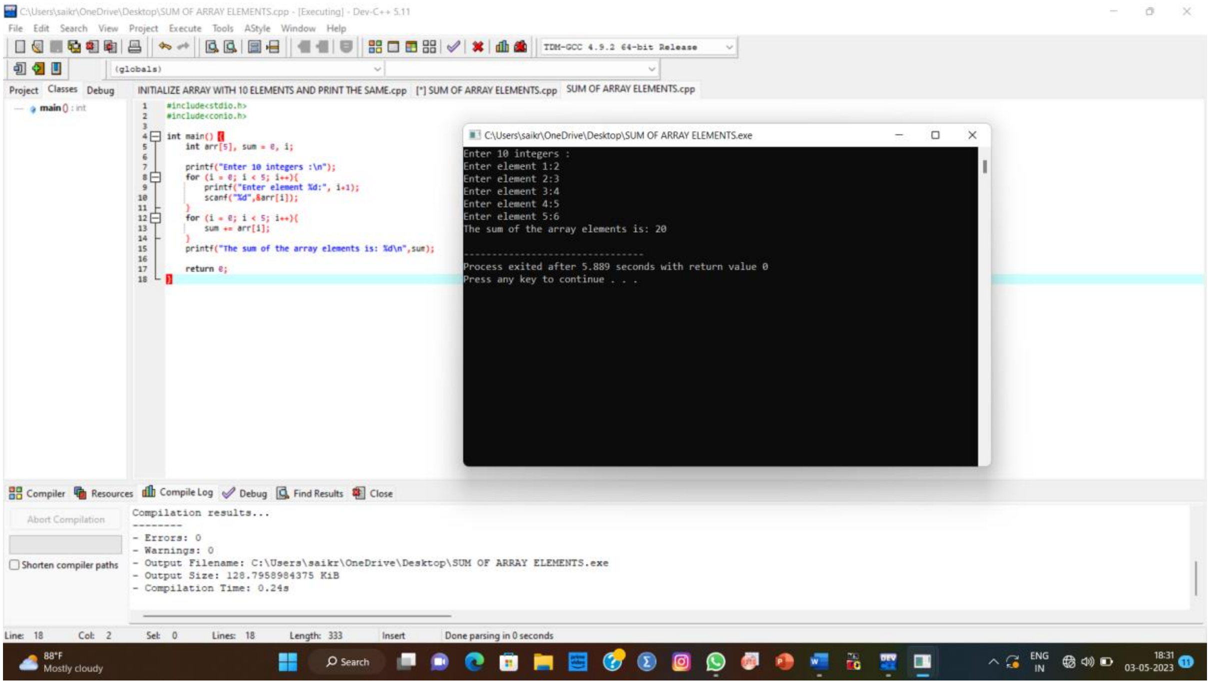

C:\Users\saikr\OneDrive\Desktop\INITIALIZE ARRAY WITH 10 ELEMENTS AND PRINT THE SAME.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
INITIALIZE ARRAY WITH 10 ELEMENTS AND PRINT THE SAME.cpp
C:\Users\saikr\OneDrive\Desktop\INITIALIZE ARRAY WITH 10 ELEMENTS AND PRINT THE SAME.exe
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 9 Col: 43 Sel: 0 Lines: 20 Length: 341 Insert Done parsing in 0.047 seconds
88°F Mostly cloudy
Search
ENG IN
18:20 03-05-2023

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

int main(){
    int arr[10], i;

    printf("Enter 10 integers:\n");
    for (i = 0; i < 10; i++) {
        printf("Enter element %d: ", i+1);
        scanf("%d",&arr[i]);
    }

    printf("The elements you entered are:\n");
    for (i = 0; i < 10; i++){
        printf("%d",arr[i]);
    }
    printf("\n");

    return 0;
}
```

```
Enter 10 integers:
Enter element 1: 2
Enter element 2: 3
Enter element 3: 4
Enter element 4: 5
Enter element 5: 6
Enter element 6: 7
Enter element 7: 8
Enter element 8: 9
Enter element 9: 10
Enter element 10: 11
The elements you entered are:
234567891011

--------------------------------
Process exited after 24.9 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\INITIALIZE ARRAY WITH 10 ELEMENTS AND PRINT THE SAME.exe
- Output Size: 129.498046875 KiB
- Compilation Time: 0.19s
```

15)SUM OF ARRAY ELEMENTS



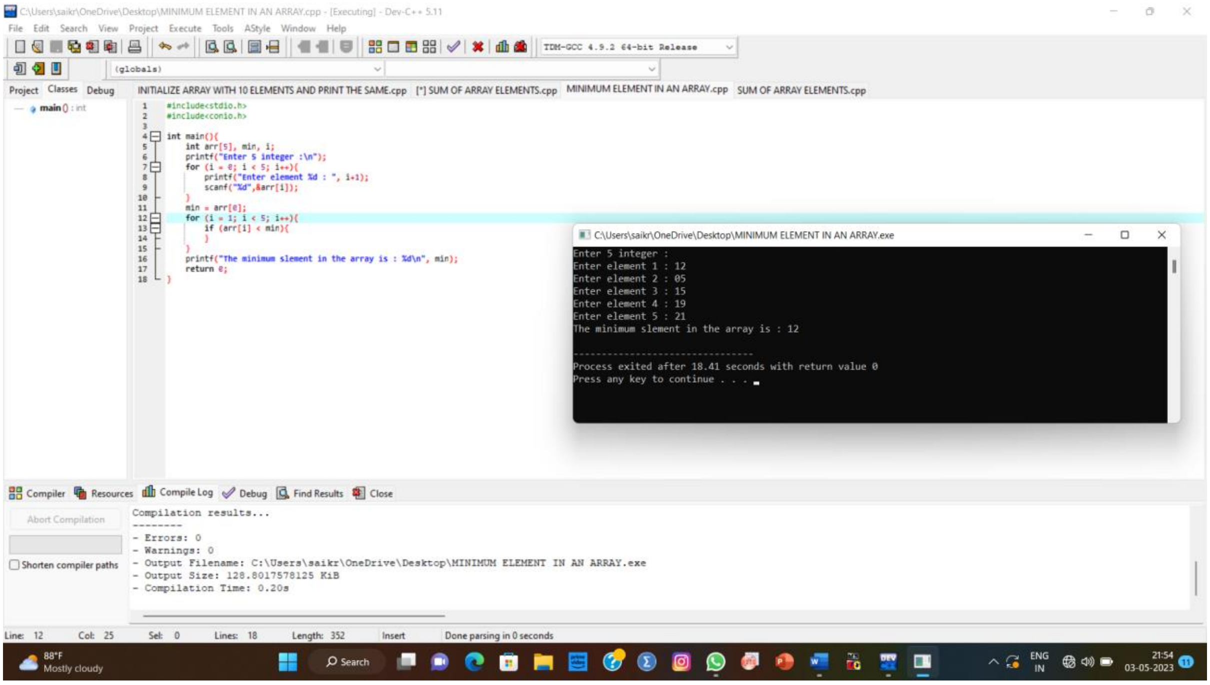
C:\Users\saikr\OneDrive\Desktop\SUM OF ARRAY ELEMENTS.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
INITIALIZE ARRAY WITH 10 ELEMENTS AND PRINT THE SAME.cpp
[*] SUM OF ARRAY ELEMENTS.cpp
SUM OF ARRAY ELEMENTS.cpp
C:\Users\saikr\OneDrive\Desktop\SUM OF ARRAY ELEMENTS.exe
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 18 Col: 2 Sel: 0 Lines: 18 Length: 333 Insert Done parsing in 0 seconds
88°F Mostly cloudy
Search
ENG IN
18:31 03-05-2023

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

int main() {
    int arr[5], sum = 0, i;

    printf("Enter 10 integers :\n");
    for (i = 0; i < 5; i++){
        printf("Enter element %d:", i+1);
        scanf("%d",&arr[i]);
    }
    for (i = 0; i < 5; i++){
        sum += arr[i];
    }
    printf("The sum of the array elements is: %d\n",sum);

    return 0;
}
```

```
Enter 10 integers :
Enter element 1:2
Enter element 2:3
Enter element 3:4
Enter element 4:5
Enter element 5:6
The sum of the array elements is: 20

--------------------------------
Process exited after 5.889 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\SUM OF ARRAY ELEMENTS.exe
- Output Size: 128.7958984375 KiB
- Compilation Time: 0.24s
```

16)MINIMUM ELEMENT IN AN ARRAY



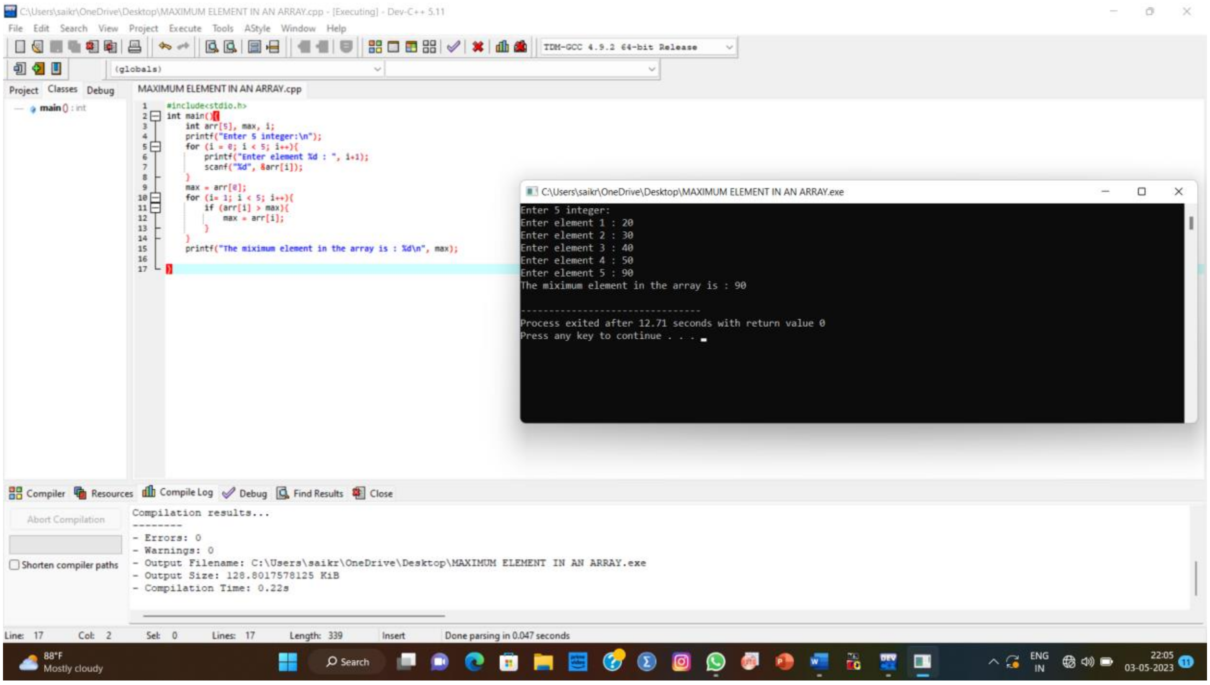
C:\Users\saikr\OneDrive\Desktop\MINIMUM ELEMENT IN AN ARRAY.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
INITIALIZE ARRAY WITH 10 ELEMENTS AND PRINT THE SAME.cpp
[*] SUM OF ARRAY ELEMENTS.cpp
MINIMUM ELEMENT IN AN ARRAY.cpp
SUM OF ARRAY ELEMENTS.cpp
C:\Users\saikr\OneDrive\Desktop\MINIMUM ELEMENT IN AN ARRAY.exe
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 12 Col: 25 Sel: 0 Lines: 18 Length: 352 Insert Done parsing in 0 seconds
88°F Mostly cloudy
Search
ENG IN
21:54 03-05-2023

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

int main(){
    int arr[5], min, i;
    printf("Enter 5 integer :\n");
    for (i = 0; i < 5; i++){
        printf("Enter element %d : ", i+1);
        scanf("%d",&arr[i]);
    }
    min = arr[0];
    for (i = 1; i < 5; i++){
        if (arr[i] < min){
        }
    }
    printf("The minimum slement in the array is : %d\n", min);
    return 0;
}
```

```
Enter 5 integer :
Enter element 1 : 12
Enter element 2 : 05
Enter element 3 : 15
Enter element 4 : 19
Enter element 5 : 21
The minimum slement in the array is : 12

--------------------------------
Process exited after 18.41 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\MINIMUM ELEMENT IN AN ARRAY.exe
- Output Size: 128.8017578125 KiB
- Compilation Time: 0.20s
```

17)MAXIMUM ELEMENT IN AN ARRAY



C:\Users\saikr\OneDrive\Desktop\MAXIMUM ELEMENT IN AN ARRAY.cpp - [Executing] - Dev-C++ 5.11

MAXIMUM ELEMENT IN AN ARRAY.cpp

```c
#include<stdio.h>
int main(){
    int arr[5], max, i;
    printf("Enter 5 integer:\n");
    for (i = 0; i < 5; i++){
        printf("Enter element %d : ", i+1);
        scanf("%d", &arr[i]);
    }
    max = arr[0];
    for (i= 1; i < 5; i++){
        if (arr[i] > max){
            max = arr[i];
        }
    }
    printf("The miximum element in the array is : %d\n", max);

}
```

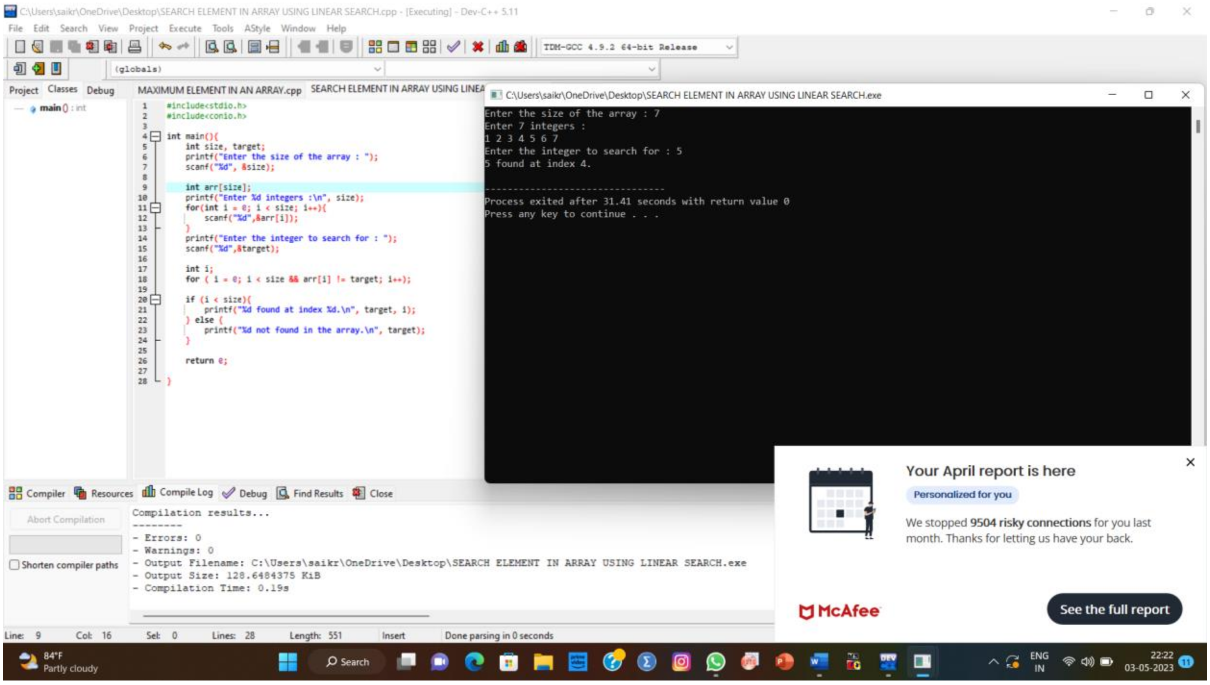
C:\Users\saikr\OneDrive\Desktop\MAXIMUM ELEMENT IN AN ARRAY.exe

```
Enter 5 integer:
Enter element 1 : 20
Enter element 2 : 30
Enter element 3 : 40
Enter element 4 : 50
Enter element 5 : 90
The mieximum element in the array is : 90

--------------------------------
Process exited after 12.71 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\MAXIMUM ELEMENT IN AN ARRAY.exe
- Output Size: 128.8017578125 KiB
- Compilation Time: 0.22s
```

File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 17 Col: 2 Sel: 0 Lines: 17 Length: 339 Insert Done parsing in 0.047 seconds
88°F Mostly cloudy
Search
ENG IN
22:05 03-05-2023

18)SEARCH ELEMENT IN ARRAY USING LINEAR SEARCH



C:\Users\saikr\OneDrive\Desktop\SEARCH ELEMENT IN ARRAY USING LINEAR SEARCH.cpp - [Executing] - Dev-C++ 5.11

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

int main(){
    int size, target;
    printf("Enter the size of the array : ");
    scanf("%d", &size);

    int arr[size];
    printf("Enter %d integers :\n", size);
    for(int i = 0; i < size; i++){
        scanf("%d",&arr[i]);
    }
    printf("Enter the integer to search for : ");
    scanf("%d",&target);

    int i;
    for ( i = 0; i < size && arr[i] != target; i++);

    if (i < size){
        printf("%d found at index %d.\n", target, i);
    } else {
        printf("%d not found in the array.\n", target);
    }

    return 0;

}
```

C:\Users\saikr\OneDrive\Desktop\SEARCH ELEMENT IN ARRAY USING LINEAR SEARCH.exe

```
Enter the size of the array : 7
Enter 7 integers :
1 2 3 4 5 6 7
Enter the integer to search for : 5
5 found at index 4.

--------------------------------
Process exited after 31.41 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\SEARCH ELEMENT IN ARRAY USING LINEAR SEARCH.exe
- Output Size: 128.6484375 KiB
- Compilation Time: 0.19s
```

Your April report is here

Personalized for you

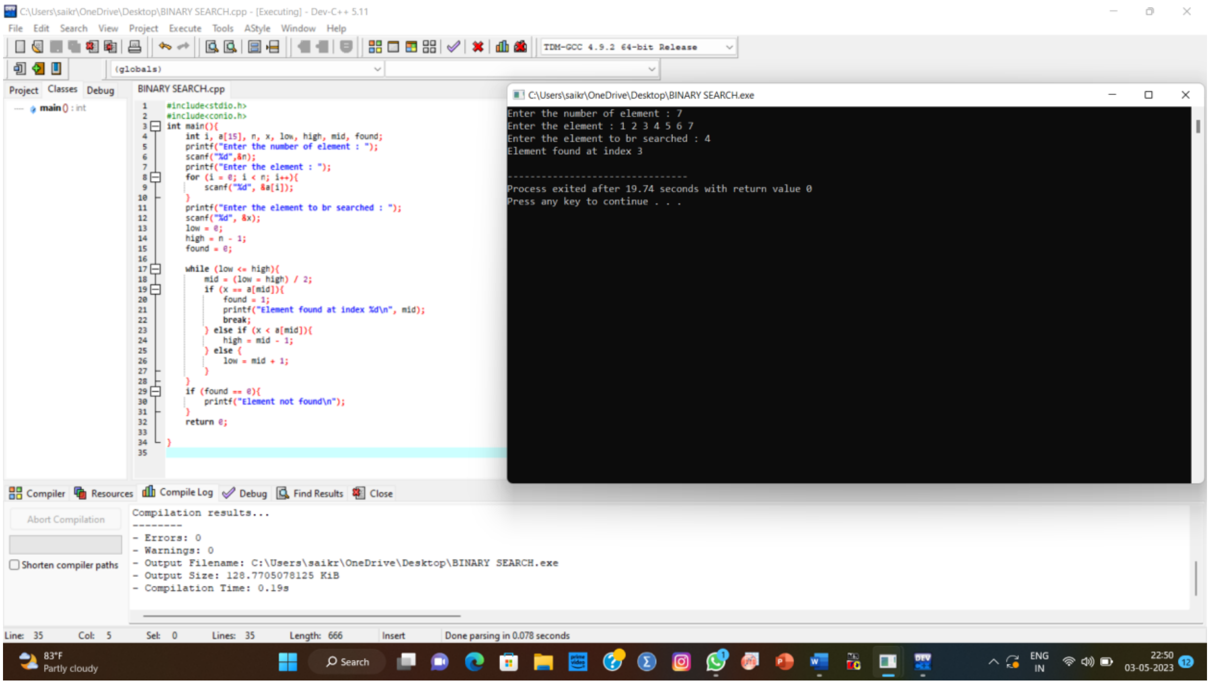
We stopped 9504 risky connections for you last month. Thanks for letting us have your back.

McAfee

See the full report

File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
MAXIMUM ELEMENT IN AN ARRAY.cpp
SEARCH ELEMENT IN ARRAY USING LINEA
main () : int
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 9 Col: 16 Sel: 0 Lines: 28 Length: 551 Insert Done parsing in 0 seconds
84°F Partly cloudy
Search
ENG IN
22:22 03-05-2023

19)BINARY SEARCH



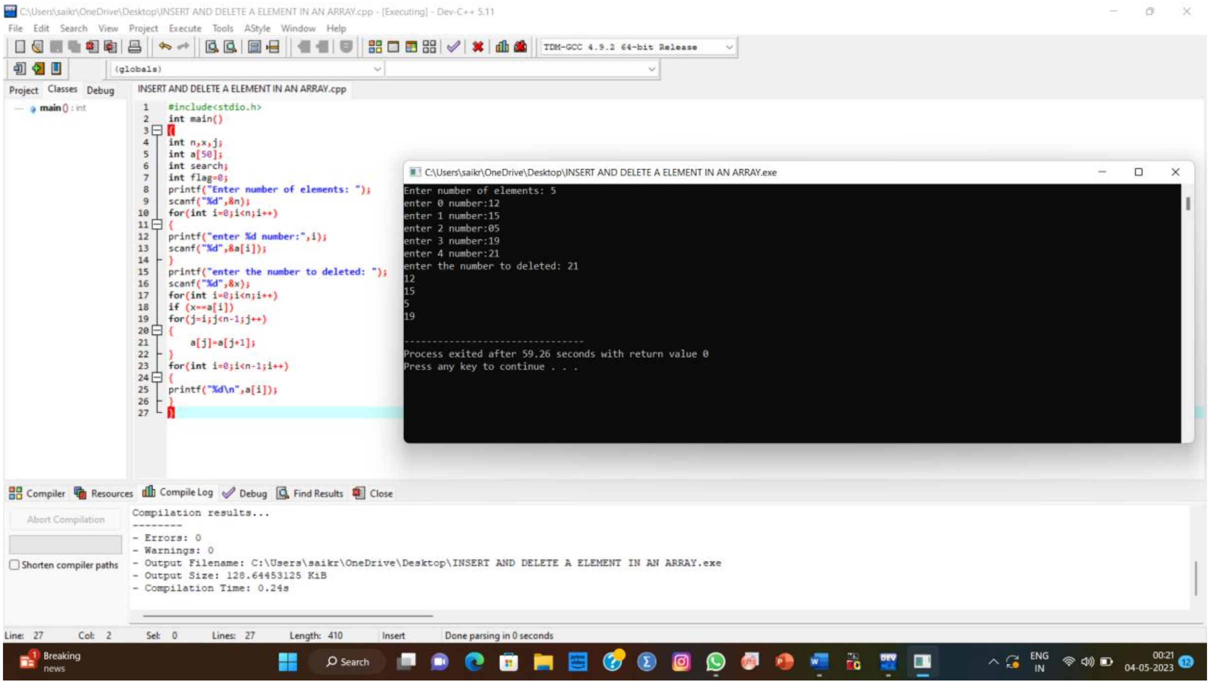
C:\Users\saikr\OneDrive\Desktop\BINARY SEARCH.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
BINARY SEARCH.cpp
C:\Users\saikr\OneDrive\Desktop\BINARY SEARCH.exe
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 35 Col: 5 Sel: 0 Lines: 35 Length: 666 Insert Done parsing in 0.078 seconds
83°F Partly cloudy
Search
ENG IN
22:50 03-05-2023

```c
#include<stdio.h>
#include<conio.h>
int main(){
    int i, a[15], n, x, low, high, mid, found;
    printf("Enter the number of element : ");
    scanf("%d",&n);
    printf("Enter the element : ");
    for (i = 0; i < n; i++){
        scanf("%d", &a[i]);
    }
    printf("Enter the element to br searched : ");
    scanf("%d", &x);
    low = 0;
    high = n - 1;
    found = 0;

    while (low <= high){
        mid = (low + high) / 2;
        if (x == a[mid]){
            found = 1;
            printf("Element found at index %d\n", mid);
            break;
        } else if (x < a[mid]){
            high = mid - 1;
        } else {
            low = mid + 1;
        }
    }
    if (found == 0){
        printf("Element not found\n");
    }
    return 0;

}
```

```
Enter the number of element : 7
Enter the element : 1 2 3 4 5 6 7
Enter the element to br searched : 4
Element found at index 3

--------------------------------
Process exited after 19.74 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\BINARY SEARCH.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.19s
```

20) INSERT AND DELETE A ELEMENT IN AN ARRAY



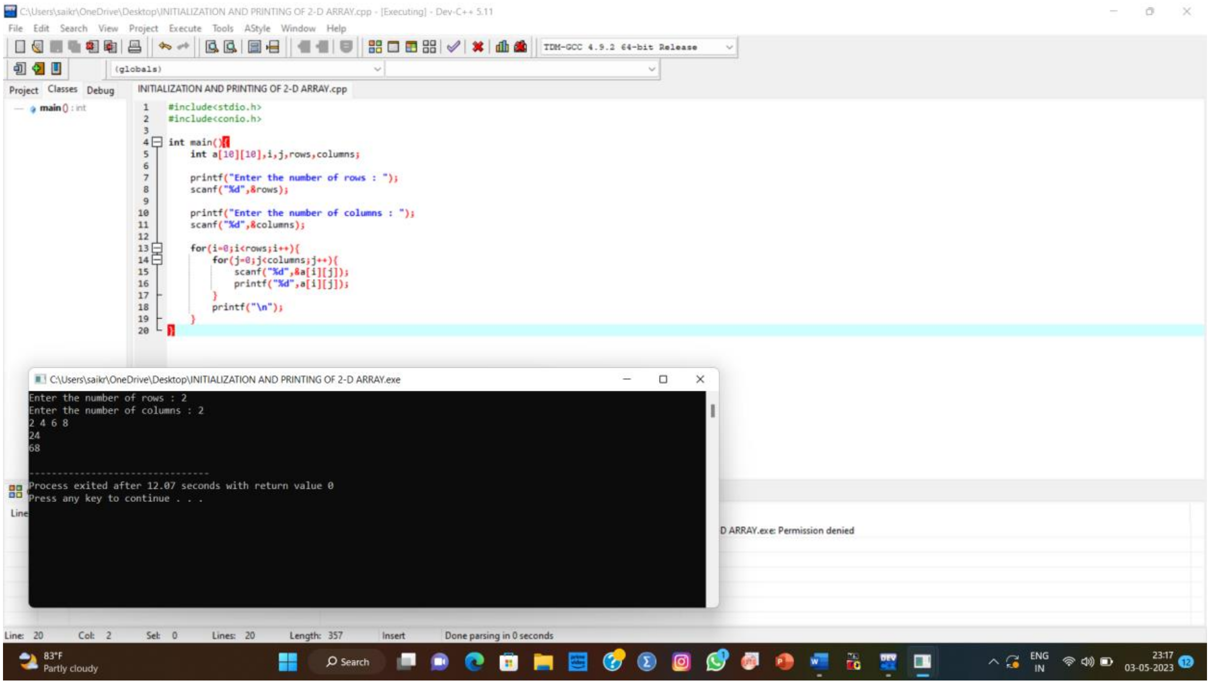
C:\Users\saikr\OneDrive\Desktop\INSERT AND DELETE A ELEMENT IN AN ARRAY.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
main () : int
INSERT AND DELETE A ELEMENT IN AN ARRAY.cpp
C:\Users\saikr\OneDrive\Desktop\INSERT AND DELETE A ELEMENT IN AN ARRAY.exe
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Line: 27 Col: 2 Sel: 0 Lines: 27 Length: 410 Insert Done parsing in 0 seconds
Breaking news
Search
ENG IN
00:21 04-05-2023

```c
#include<stdio.h>
int main()
{
int n,x,j;
int a[50];
int search;
int flag=0;
printf("Enter number of elements: ");
scanf("%d",&n);
for(int i=0;i<n;i++)
{
printf("enter %d number:",i);
scanf("%d",&a[i]);
}
printf("enter the number to deleted: ");
scanf("%d",&x);
for(int i=0;i<n;i++)
if (x==a[i])
for(j=i;j<n-1;j++)
{
    a[j]=a[j+1];
}
for(int i=0;i<n-1;i++)
{
printf("%d\n",a[i]);
}
}
```

```
Enter number of elements: 5
enter 0 number:12
enter 1 number:15
enter 2 number:05
enter 3 number:19
enter 4 number:21
enter the number to deleted: 21
12
15
5
19

--------------------------------
Process exited after 59.26 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\saikr\OneDrive\Desktop\INSERT AND DELETE A ELEMENT IN AN ARRAY.exe
- Output Size: 128.64453125 KiB
- Compilation Time: 0.24s
```

21) INITIALIZATION AND PRINTING OF 2-D ARRAY



C:\Users\saikr\OneDrive\Desktop\INITIALIZATION AND PRINTING OF 2-D ARRAY.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
main () : int
INITIALIZATION AND PRINTING OF 2-D ARRAY.cpp

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

int main(){
    int a[10][10],i,j,rows,columns;

    printf("Enter the number of rows : ");
    scanf("%d",&rows);

    printf("Enter the number of columns : ");
    scanf("%d",&columns);

    for(i=0;i<rows;i++){
        for(j=0;j<columns;j++){
            scanf("%d",&a[i][j]);
            printf("%d",a[i][j]);
        }
        printf("\n");
    }
}
```

C:\Users\saikr\OneDrive\Desktop\INITIALIZATION AND PRINTING OF 2-D ARRAY.exe

```
Enter the number of rows : 2
Enter the number of columns : 2
2 4 6 8
24
68

--------------------------------
Process exited after 12.07 seconds with return value 0
Press any key to continue . . .
```

D ARRAY.exe: Permission denied

Line: 20 Col: 2 Sel: 0 Lines: 20 Length: 357 Insert Done parsing in 0 seconds
83°F
Partly cloudy
Search
ENG
IN
23:17
03-05-2023