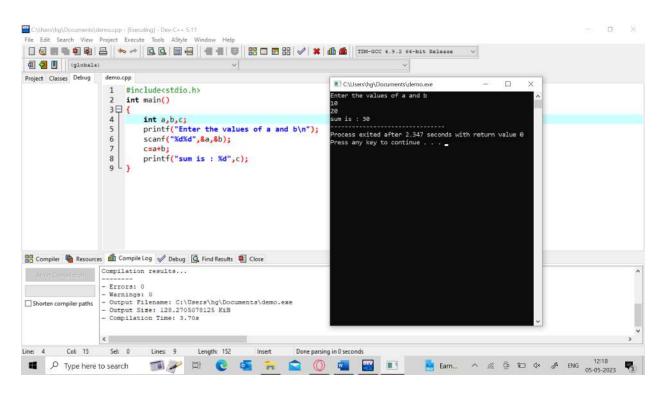
Name: J. Joel Andrew

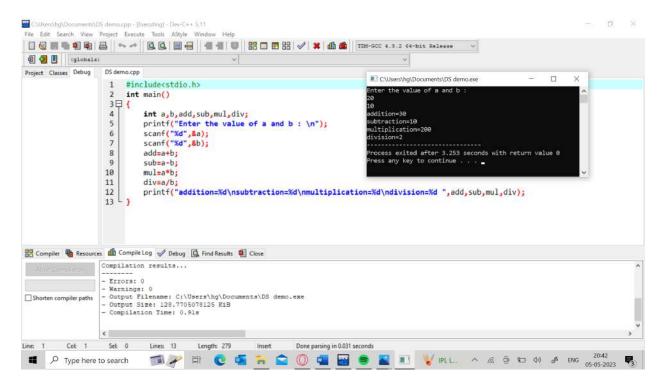
Register Number: 192211111

CSA0323 DATA STRUCTURES WITH MULTITASK PROGRAMMING

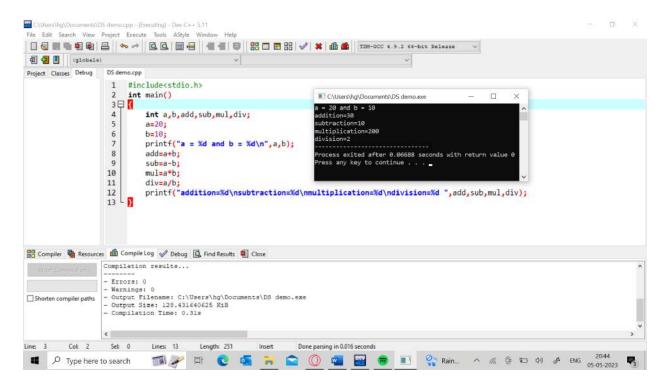
1)ADDITION IN C



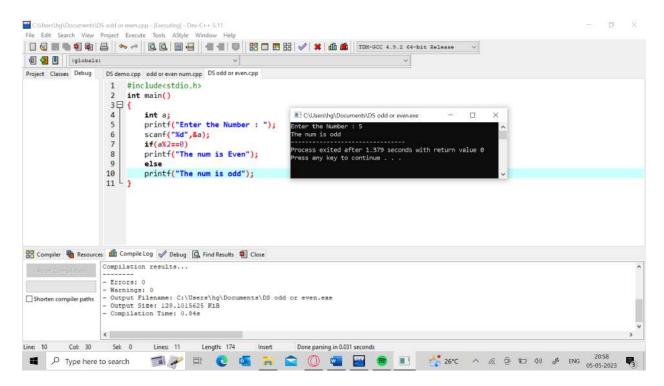
2) ARITHMETIC OPERATIONS IN C USING DYNAMIC INITIALIZATION



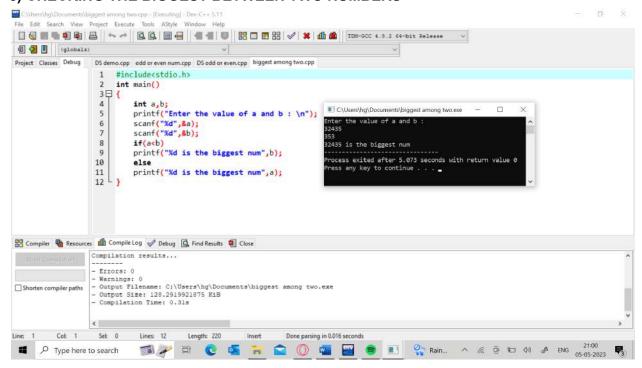
3)ARITHMETIC OPERATION IN C USING STATIC INITIALIZATION



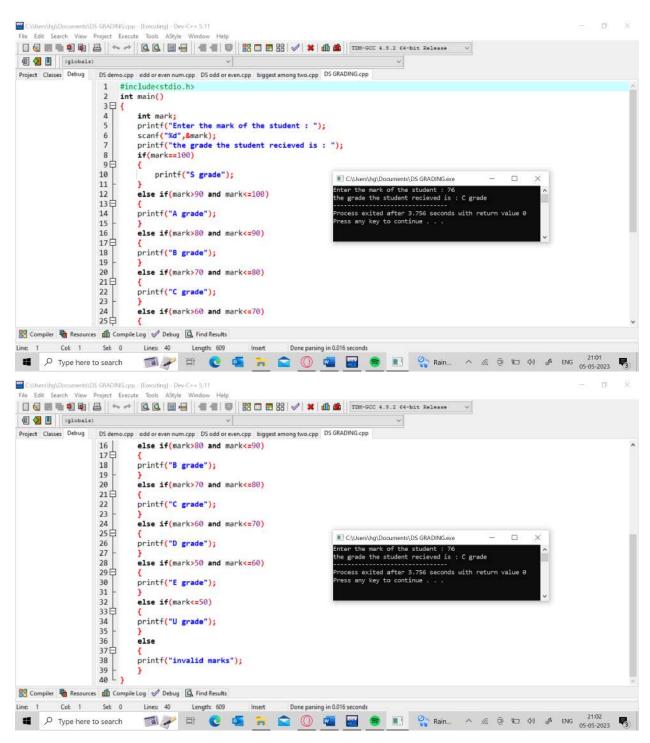
4) C PROGRAM TO CHECK THE GIVEN NUMBER IS ODD OR EVEN



5) CHECKING THE BIGGEST BETWEEN TWO NUMBERS



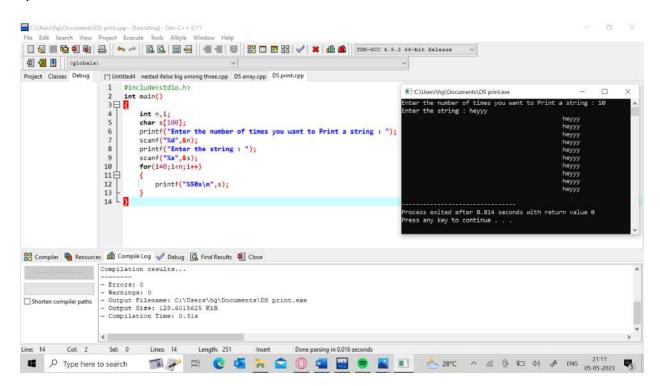
6) MARKS AND GRADES IN C (USING CONDITIONAL STATEMENTS)



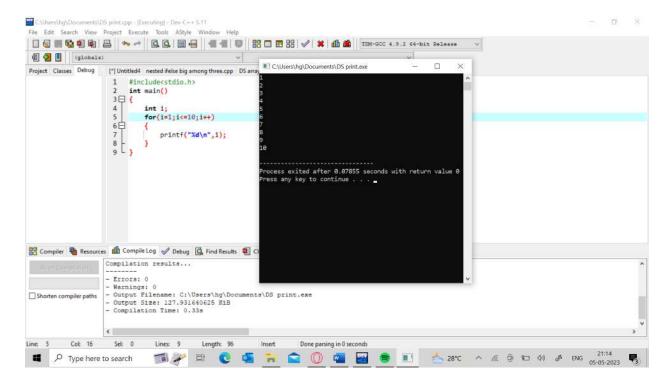
7) BIGGER BETWEEN THREE VALUES

```
C\User\hg\Documents\nested ifelse big among three.cpp - [Esecuting] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
                                                                                                                                        CF
 如 (globals)
Project Classes Debug [*] Untitled4 nested ifelse big among three.cpp
                    1 #include<stdio.h>
                        int main()
                    3月 {
                            printf("Enter the values of the following variables a, b and c : \n"); scanf("%d%d%d",&a,&b,&c);
                                                                               III C:\Users\hg\Documents\nested ifelse big amo... —
                            if(a>=b)
                                                                              Enter the values of the following variables a. b and c
                   9 10日
                               if(a)=c)
                               printf("%d is the largest number : ",a);
                   11 12 -
                                                                              41 is the biggest number :
                   13
                               else
                                                                               rocess exited after 6.942 seconds with return value 0 ress any key to continue . . .
                               printf("%d is the largest number : ",c);
                   15
                   16
17
                   18
                   19日
                   20 T
21日
                               if(b>=c)
                   22
                               printf("%d is the biggest number : ",b);
                   23
                   24
                   25日
                   26
27
                                   printf("%d is the biggest number : ",c);
🔡 Compiler 🍓 Resources 🋍 Compile Log 🤣 Debug 💁 Find Results
Line: 1 Col: 1 Sel: 0 Lines: 29 Length: 442 Insert
                                                                Done parsing in 0.032 seconds
```

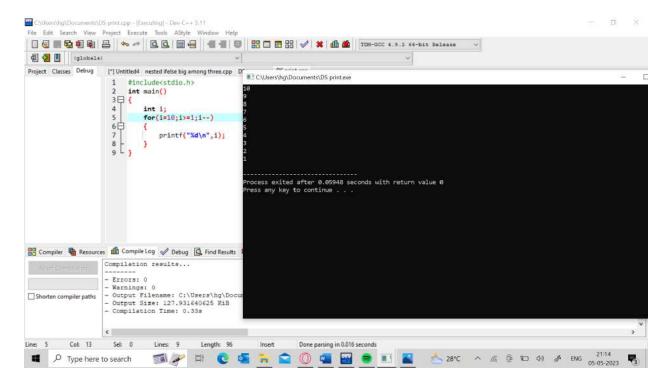
8) PRINT STATEMENT USING LOOPING



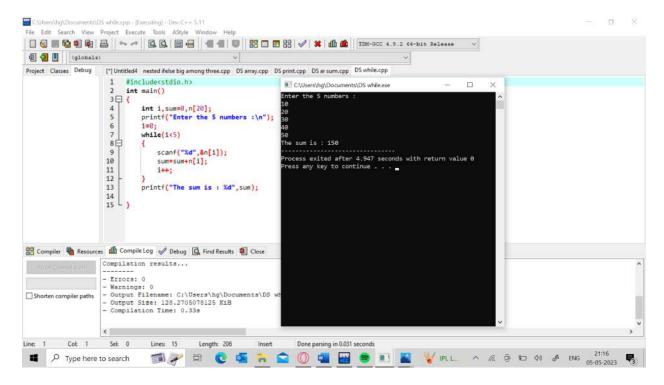
9) PRINT NUMBERS FROM 1 TO 10



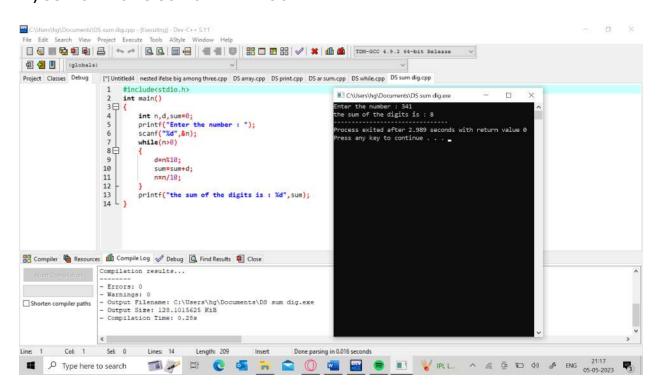
10) PRINT NUMBERS FROM 10 TO 1



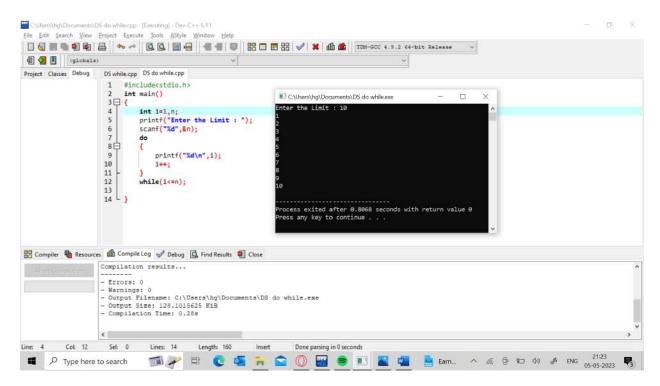
11) GET 5 NUMBERS FROM USER AND SUM IT USING WHILE LOOP



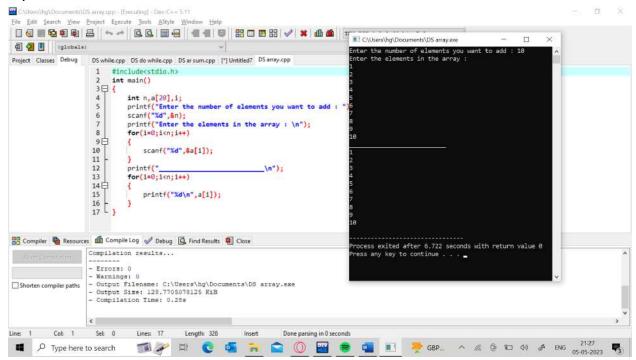
12) SUM OF DIGITS USING WHILE LOOP



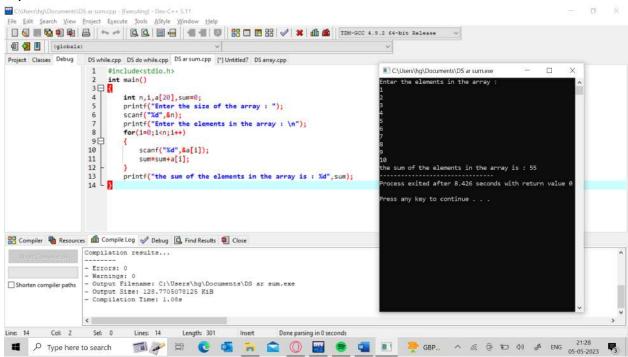
13) C PROGRAM TO PRINT FIRST 'N' NUMBERS USING DO-WHILE LOOP



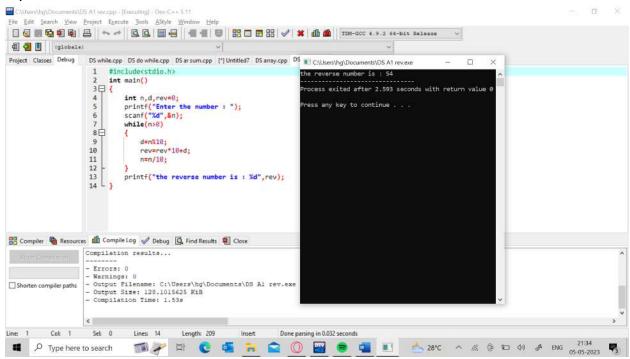
14) INITIALIZE ARRAY WITH 10 ELEMENTS AND PRINT THE SAME



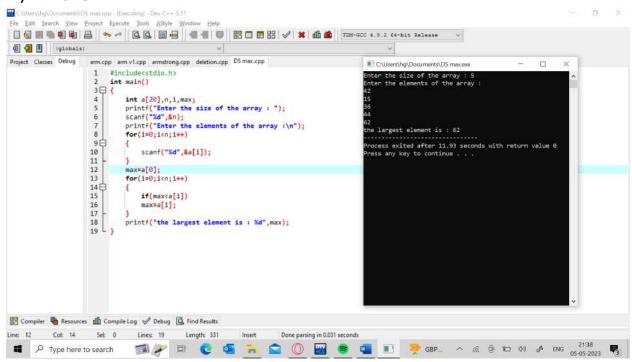
15) SUM OF ARRAY ELEMENTS



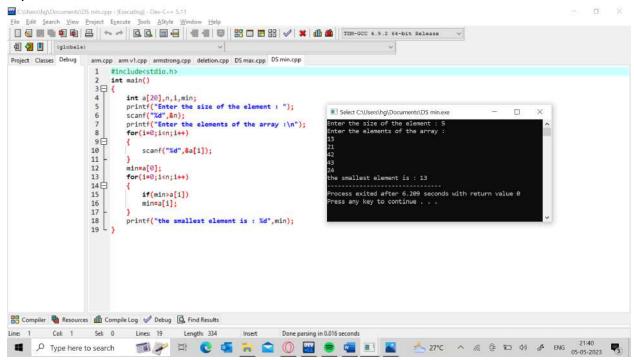
16) REVERSE A NUMBER USING WHILE



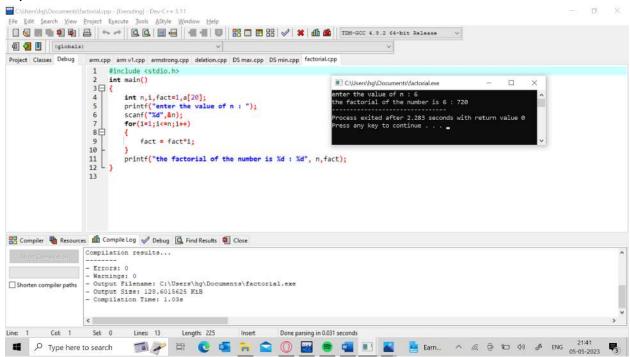
17) LARGEST ELEMENT IN AN ARRAY



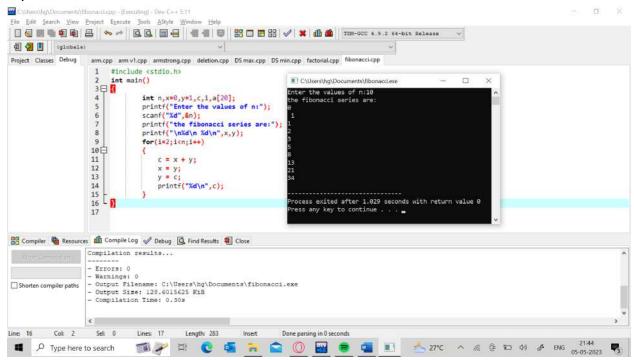
18) SMALLEST ELEMENT IN AN ARRAY



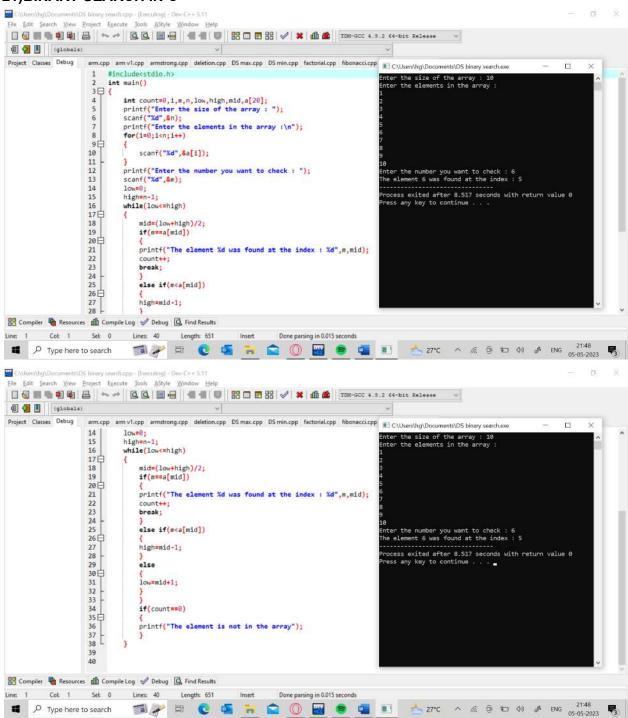
19) FACTORIAL OF A NUMBER N



20) FIBONACCI SERIES



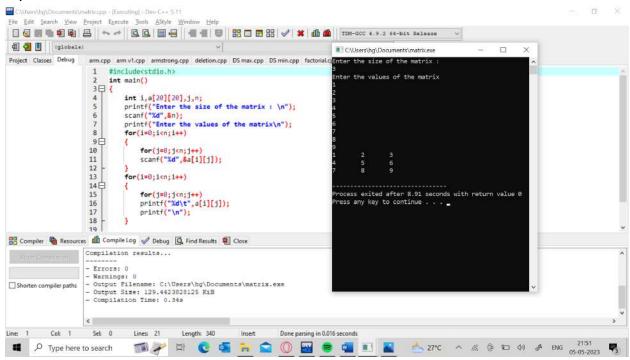
21) BINARY SEARCH IN C



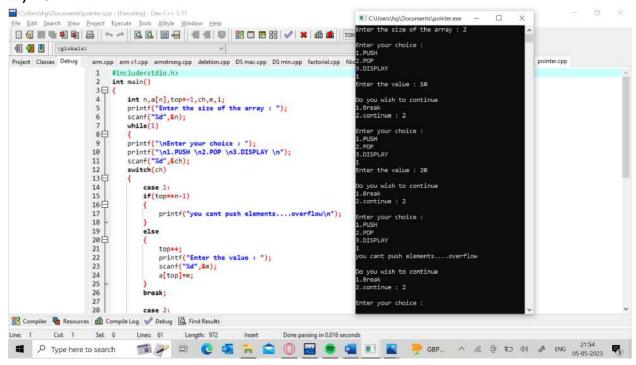
22) LINEAR SEARCH

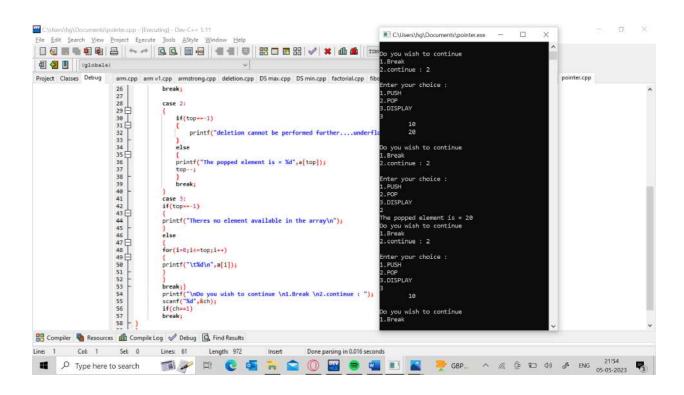
```
C\Users\hg\Documents\DS linear search.cpp - [Executing] - Dev-C++ 5.11
                                                                                                                                                                                                D X
 Eile Edit Search View Project Execute Tools AStyle Window Help
 □ 🔞 🖩 📲 🚳 🖴 → 🛕 🖟 🗎 📲 📲 📲 📳 🔛 🖽 🖀 | TDM-GCC 4.9.2 64-bic Release
                                                                                                                        Select C\Users\hq\Documents\DS linear search.exe
Project Classes Debug arm.cpp arm.v1.cpp armstrong.cpp deletion.cpp DS max.cpp DS min.cpp factorial.cpp fibonac
                                                                                                                       Enter the size of the array : 10
Enter the elements in the array :
                             1 #include<stdio.h>
                                  int main()
                            3日(
                                       int n.i.m.a[20].count=0:
                                       printf("Enter the size of the array : ");
scanf("%d",&n);
                                       printf("Enter the elements in the array :\n");
                                       for(i=0:i<n:i++)
                                           scanf("%d",8a[i]);
                           10
                           11
                                                                                                                          nter the element to be searched : 9
                                       printf("Enter the element to be searched : ");
                                                                                                                          lement not found in the index: e
lement not found in the index: 1
lement not found in the index: 2
lement not found in the index: 3
lement not found in the index: 4
lement not found in the index: 5
lement not found in the index: 6
lement not found in the index: 7
lement found at the index: 8
lement not found in the index: 9
lement found in the index: 9
lement found in the index: 9
                                       scanf("%d",&m);
for(i=0;i<n;i++)
                           13
                           14
                           15日
                                            if(m==a[i])
                           16
                           17中
                                            printf("\nElement found at the index : %d",i);
                           18
                           19
                                            count++;
                           20
                           21
                                            printf("\nElement not found in the index : %d",i);
                           22
                           23
                                                                                                                          ocess exited after 14.93 seconds with return value 0
                                       if(count>0)
                           24
                           25
                                       printf("\nThe element is present in the array");
                           26
                                       else
                                       printf("\nthe array doesnt contain the given element");
                           27
Compiler Resources ( Compile Log Debug 🖟 Find Results
Line: 1 Cot 1 Set 0 Lines 29 Length: 600 Insert Done parsin
                                                                                           Done parsing in 0.016 seconds
                                                                                                      21:50 € 10 € 10 € ENG 21:50 € 21:50 € 10 € ENG 05:05:2023
```

23) MATRIX IN C



24) POINTER IN C





25)DOUBLE POINTER

