```
1.
#include <stdio.h>
int main()
        int a[20];
        int x,i;
        printf("Enter the number of elements in the array\n");
        scanf("%d",&x);
        for(i=0;i< x;i++)
                {
                        printf("a[%d]= ",i);
                        scanf("%d",&a[i]);
                }
        printf("The array elements are");
        for(i=0;i< x;i++)
         printf(" %d",a[i]);
        return 0;
 C:₩WINDOWS₩system32₩cmd.exe
Enter the number of elements in the array
 The array elements are 1 2 3 4 5계속하려면 아무 키나 누르십시오 . . .
#include <stdio.h>
int main()
        int a[20];
        int x,i;
        int sum=0;
        printf("Enter the number of elements in the array\n");
        scanf("%d",&x);
        for(i=0;i< x;i++)
                {
```

```
printf("a[%d]= ",i);
                       scanf("%d",&a[i]);
                       sum=sum+a[i];
               }
       printf("The sum of the array elements = %d\n",sum);
       printf("The mean of the array elements = %.2lf\n", sum/(double)x);
       return 0;
 C:₩WINDOWS₩system32₩cmd.exe
 Enter the number of elements in the array
a[0]= 1
   21= 3
The sum of the array elements = 15
The mean of the array elements = 3.00
3.
#include <stdio.h>
int main()
       int a[20];
       int x,i;
       int small;
       int count=1;
       printf("Enter the number of elements in the array\n");
       scanf("%d",&x);
       printf("Enter the elements");
       for(i=0;i< x;i++)
               {
                       scanf("%d",&a[i]);
               }
       small=a[0];
       for(i=1;i<x;i++)</pre>
               if(small>a[i])
```

```
{small=a[i];
                                 count++;}
        printf("The smallest element is : %d\n",small);
        printf("The position of the smallest element in the array is : %d\n", count);
        return 0:
 ■ C:\WINDOWS\system32\cmd.exe
Enter the number of elements in the array
Enter the elements 7 6 5 14 3
The smallest element is <u>: 3</u>
The position of the smallest element in the array is : 4
계속하려면 아무 키나 누르십시오 . . .
4.
#include <stdio.h>
int main()
        int a[20];
        int x.i;
        int large, second_large;
        printf("Enter the number of elements in the array\n");
        scanf("%d",&x);
        printf("Enter the elements");
        for(i=0;i< x;i++)
                         scanf("%d",&a[i]);
                 }
        large=a[0];
        for(i=1;i<x;i++)</pre>
                 if(large<a[i])</pre>
                                 large=a[i];
        second_large=a[0];
        for(i=1;i< x;i++)
```

```
{
                      if(large!=a[i])
                             if(a[i]>second_large)
                                    second_large=a[i];
       printf("The numbers you entered are : \n");
       for(i=0;i< x;i++)
              printf(" %d",a[i]);
       printf("The largest of these numbers is : %d\n",large);
       printf("The second largest of these numbers is : %d\n", second_large);
       return 0;
}
 GSSS C:₩WINDOWS₩system32₩cmd.exe
Enter the number of elements in the array
Enter the elements 1 2 3 4 5
The numbers you entered are :
1 2 3 4 5The largest of these numbers is : 5
The second largest of these numbers is : 4
계속하려면 아무 키나 누르십시오
#include <stdio.h>
int main()
       int i,x;
       int a[10];
       printf("Enter the number of digits : ");
       scanf("%d",&x);
       for(i=0;i< x;i++)
               printf("Enter the digit at postion %d: ",i+1);
              scanf("%d",&a[i]);
       }
       printf("The number is : ");
       for(i=x-1;i>=0;i--)
               printf("%d",a[i]);
```

```
return 0;
```

}

```
C:₩WINDOWS₩system32₩cmd.exe
```

```
Enter the number of digits : 4\,
Enter the digit at postion 1: 2
Enter the digit at postion 2: 3
Enter the digit at postion 3: 0
Enter the digit at postion 4: 9
The number is : 9032계속하려면 아무 키나 누르십시오 . . .
6.
#include <stdio.h>
int main()
{
         int i,x,j;
         int a[10];
         printf("Enter the size of array : ");
         scanf("%d",&x);
         for(i=0;i<x;i++)</pre>
                   printf("a[%d]= ", i);
                   scanf("%d",&a[i]);
         }
         for(i=0;i< x;i++)
                   for(j=i+1;j< x;j++)
                            if(a[i]==a[j])
                                      printf("Duplicate numbers found at location %d and
%d",i,j);
         return 0;
}
```

```
™ C:₩WINDOWS₩system32₩cmd.exe
      the size of array : 5
 Nuplicate numbers found at location 1 and 3계속하려면 아무 키나 누르십시오 . . . _
7.
#include <stdio.h>
int main()
        int n,i;
        int a[10];
        int num, location;
        printf("Enter the number of elements in the array");
        scanf("%d",&n);
        for(i=0;i<n;i++)</pre>
                 printf("arr[%d]=",i);
                 scanf("%d",&a[i]);
        printf("Enter the number to be inserted\n");
        scanf("%d",&num);
        printf("Enter the position at which the number has to be added\n");
        scanf("%d",&location);
        for(i=n;i>=location;i--)
                a[i+1]=a[i];
        a[location]=num;
        n=n+1;
        printf("The array after insertion of 0 is: \n");
        for(i=0;i<n;i++)
                 printf("arr[%d]=%d\n",i,a[i]);
        }
      the number to be inserted
      the position at which the number has to be added
      -3
려면 아무 키나 누르십시오
```

```
#include <stdio.h>
int main()
         int n,i,j;
         int a[10];
         int num,location;
         printf("Enter the number of elements in the array");
         scanf("%d",&n);
         for(i=0;i<n;i++)</pre>
                   printf("arr[%d]=",i);
                   scanf("%d",&a[i]);
         printf("Enter the number to be inserted\n");
         scanf("%d",&num);
         for(i=0;i<n;i++)</pre>
                   if(a[i]>num)
                                     for(j=n-1;j>=i;j--)
                                                        a[j+1]=a[j];
                                     }
                                              a[i]=num;
                                                        break;
                            }
         printf("The array after insertion of 3 is:\n");
         for(i=0;i<n;i++)</pre>
                   printf("arr[%d]=%d\n",i,a[i]);
}
```

8.

```
C:₩WINDOWS₩system32₩cmd.exe
        the number of elements in the array5
arr[4]=6
 Enter the number to be inserted
The array after insertion of 3 is:
     하려면 아무 키나 누르십시오 . . .
9.
#include <stdio.h>
int main()
       int a[10];
       int i,n,position,j;
       printf("Enter the number of elements in the array :");
       scanf("%d",&n);
       for(i=0;i<n;i++)</pre>
               printf("arr[%d]= ",i);
               scanf("%d",&a[i]);
       printf("Enter the position from which the number has to be deleted : ");
       scanf("%d",&position);
       for(i=0;i< n;i++)
                       for(j=position;j<n-1;j++)</pre>
                               a[j]=a[j+1];
       n=n-1;
        printf("The array after deletion is : \n");
       for(i=0;i< n;i++)
               printf("arr[%d]=%d\n",i,a[i]);
```

}

```
C:₩WINDOWS₩system32₩cmd.exe
       the number of elements in the array :5
 Enter the position from which the number has to be deleted : 3
 The array after deletion is :
     하려면 아무 키나 누르십시오 . . .
10.
#include <stdio.h>
int main()
       int a[10];
        int i,n,num,j;
        int position;
        printf("Enter the number of elements in the array :");
        scanf("%d",&n);
        for(i=0;i<n;i++)</pre>
                printf("arr[%d]= ",i);
                scanf("%d",&a[i]);
        printf("Enter the number to be deleted : ");
        scanf("%d",&num);
        for(i=0;i< n;i++)
                {
                        if(a[i]==num)
                                       position=i;
                                       for(j=position;j<n-1;j++)</pre>
                                               a[j]=a[j+1];
                       }
                }
        n=n-1;
        printf("The array after deletion is : \n");
```

```
for(i=0;i<n;i++)</pre>
                printf("arr[%d]=%d\n",i,a[i]);
 ...... 선택 C:₩WINDOWS₩system32₩cmd.exe
              number of elements in the array:5
       the number to be deleted : 3
     array after deletion is :
        ·려면 아무 키나 누르십시오 . . .
11.
#include <stdio.h>
int main()
       int n1,n2,i;
        int a[10],b[10],c[20];
        int index=0;
        printf("Enter the number of elements in array1 : ");
        scanf("%d",&n1);
        printf("Enter the elemnets of the first array\n");
        for(i=0;i<n1;i++)</pre>
                        printf("a[%d]= ",i);
                        scanf("%d",&a[i]);
        }
        printf("Enter the number of elements in array2 : ");
        scanf("%d",&n2);
        for(i=0;i<n2;i++)
                        printf("b[%d]= ",i);
                        scanf("%d",&b[i]);
       }
       for(i=0;i<n1;i++)
                c[index]=a[i];
                index++;
       }
```

```
for(i=0;i<n2;i++)
                c[index]=b[i];
                index++;
        }
        printf("The merged array is\n");
        for(i=0;i<index;i++)</pre>
                printf("a[\%d] = \%d\n",i,c[i]);
 전택 C:₩WINDOWS₩system32₩cmd.exe
          the number of elements in array1
the elemnets of the first array
          the number of elements in array2 : 3
         6
      merged array is
         려면 아무 키나 누르십시오 .
12.
#include <stdio.h>
int main()
        int n1,n2,n3,i;
        int a[10],b[10],c[20];
        int index=0;
        int f_index=0;
        int s_index=0;
        printf("Enter the number of elements in array1 : ");
        scanf("%d",&n1);
        printf("Enter the elemnets of the first array\n");
        for(i=0;i<n1;i++)
                        printf("a[%d]= ",i);
                        scanf("%d",&a[i]);
        printf("Enter the number of elements in array2 : ");
```

```
scanf("%d",&n2);
for(i=0;i<n2;i++)</pre>
                   printf("b[%d]= ",i);
                   scanf("%d",&b[i]);
n3=n1+n2;
while((f_index<n1)&&(s_index<n2))</pre>
         {
                   if(a[f_index]<b[s_index])</pre>
                                      c[index]=a[f_index];
                                      f_index++;
                                      index++;
                   else
                                      c[index]=b[s_index];
                                      s_index++;
                                      index++;
         }
if(f_index==n1)
          for(i=s_index;i<n2;i++)</pre>
                             c[index]=b[s_index];
                             index++;
else if(s_index==n1)
          for(i=f_index;i<n1;i++)</pre>
                             c[index]=a[f_index];
                             index++;
}
```

```
printf("The merged array is\n");
         for(i=0;i<n3;i++)</pre>
                  printf("a[\%d] = \%d\n",i,c[i]);
}
                      number of elements
              rged array
#include <stdio.h>
int find_smallest(int a[],int n);
int main()
         int n,i;
         int a[10];
         printf("Enter the size of the array");
         scanf("%d",&n);
         for(i=0;i< n;i++)
                  printf("a[%d]= ",i);
                  scanf("%d",&a[i]);
         printf("The smallest number in the array is = %d ",find_smallest(a,n));
}
int find_smallest(int a[],int n)
         int smallest,i;
         smallest=a[0];
         for(i=1;i<n;i++)</pre>
                           if(a[i]<smallest)</pre>
                                    smallest=a[i];
```

```
return smallest;
 C:₩WINDOWS₩system32₩cmd.exe
 Enter the size of the array5
The smallest number in the array is = 1 계속하려면 아무 키나 누르십시오 . . .
14.
#include <stdio.h>
int find_smallest(int a[],int n);
int find_largest(int a[],int n);
int main()
{
         int n,i,j,temp;
        int a[10];
         int small,large;
         printf("Enter the size of the array");
         scanf("%d",&n);
         for(i=0;i< n;i++)
                  printf("a[%d]= ",i);
                  scanf("%d",&a[i]);
         small=find_smallest(a,n);
         large=find_largest(a,n);
         printf("%d %d",small,large);
         temp=a[small];
         a[small]=a[large];
         a[large]=temp;
         printf("The new array is : \n" );
         for(i=0;i<n;i++)</pre>
                  printf("a[\%d]=\%d\n",i,a[i]);
}
int find_smallest(int a[],int n)
```

```
{
          int smallest,i,pos;
          smallest=a[0];
          for(i=1;i<n;i++)</pre>
                   {
                             if(a[i] < smallest)
                                                 smallest=a[i];
                                                 pos=i;
                   }
          return pos;
}
int find_largest(int a[],int n)
          int largest,i,pos;
          largest=a[0];
          for(i=1;i< n;i++)
                             if(a[i]>largest)
                                                 largest=a[i];
                                                 pos=i;
                   }
          return pos;
}
```

```
Enter the size of the array5
a[0]= 5
a[1]= 1
a[2]= 6
a[3]= 3
a[4]= 2
1 2The new array is :
a[0]=5
a[1]=6
a[3]=3
a[4]=2
계속하려면 아무 키나 누르십시오 . . .
```

```
15.
#include <stdio.h>
int main()
        int a[]={1,2,3,4,5,6,7,8,9};
        int *p1; int *p2;
        p1=a;
        p2=&a[8];
        while(p1 \le p2)
                printf("%d",*p1);
                p1++;
                                 }
        return 0;
 C:₩WINDOWS₩system32₩cmd.exe
123456789계속하려면 아무 키나 누르십시오
16.
#include <stdio.h>
int main()
        int a[2][2]={{12,34},{56,32}};
        int i,j;
        for(i=0;i<2;i++)
        {
                for(j=0;j<2;j++)</pre>
                                 printf("%d ",a[i][j]);
                                 printf("\n");
        }
}
```

```
12 34
56 32
계속하려면 아무 키나 누르십시오 . . .
```

```
17.
#include <stdio.h>
#include <conio.h>
int main()
{
         int a[7][7]={0};
         int row=2;
         int i,j,col;
         a[0][0]=a[1][0]=a[1][1]=1;
         while(row<=7)</pre>
         {
                             a[row][0]=1;
                             for(col=1;col<=row;col++)</pre>
                             a[row][col]=a[row-1][col-1]+a[row-1][col];
                             row++;
         }
         for(i=0;i<7;i++)
         {
                   printf("\n");
                   for(j=0;j<=i;j++)
                             printf("\t%d",a[i][j]);
         }
         getch();
}
```

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
```

```
#include <stdio.h>
#include <conio.h>
int main()
{
         int a[5][3];
         int i,j;
         int total;
         printf("Enter the data\n");
         printf("************\n");
         for(i=0;i<5;i++)
                            printf("Enter the sales of 3 items sold by salesman %d :
n'',i+1;
                            for(j=0;j<3;j++)</pre>
                                      scanf("%d",&a[i][j]);
                   }
         for(i=0;i<5;i++)</pre>
                  {
                            total=0;
                            for(j=0;j<3;j++)</pre>
                                      total=total+a[i][j];
                            printf("Total sales by salesman %d = %d\n",i+1,total);
                   }
         for(i=0;i<3;i++)</pre>
                   {
                            total=0;
                            for(j=0;j<5;j++)</pre>
                                      total=total+a[j][i];
                            printf("Total sales of item %d = %d\n",i+1,total);
                   }
}
```

18.

```
Enter the data
 Enter the sales of 3 items sold by salesman 1 :
 3 23 45
 nter the sales of 3 items sold by salesman 2 :
       the sales of 3 items sold by salesman 3:
       the sales of 3 items sold by salesman 4:
       the sales of 3 items sold by salesman 5:
 Enter
Total
       sales by salesman 1 = 91
       sales by salesman 2 sales by salesman 3
                                    112
               by salesman 4 =
                                    120
       sales
                  salesman 5 =
                                    141
Total
       sales by
                   item 1 = 158
Total
       sales of
                   item 2 = 198
item 3 = 250
Total sales of
Total sales of
계속하려면 아무 키나 누르십시오
19.
#include <stdio.h>
#include <conio.h>
int main()
      int a[5][3];
      int i,j;
      int total;
      int h_mark;
      for(i=0;i<5;i++)
             {
                    printf("Enter the marks obtained by student %d : \n",i+1);
                    for(j=0;j<3;j++)
                           printf("marks[%d][%d]= ",i,j);
                           scanf("%d",&a[i][j]);
             }
      for(i=0;i<3;i++)
             {
                    h_mark=a[0][i];
                    for(j=0;j<5;j++)
                           if(h_mark<a[j][i])
```

```
h_mark=a[i][i];
        printf("The highest marks obtained in the subject %d =%d\n", i+1, h_mark);
Enter the marks obtained by student 1 :
marks[0][0]= 89
marks[0][1]= 76
marks[0][2]= 100
Enter the marks obtained by student 2 :
marks[1][0]= 99
marks[1][1]= 90
marks[1][2]= 89
Enter the marks obtained by student 3 :
marks[2][0]= 67
marks[2][1]= 76
marks[2][2]= 56
Enter the marks obtained by student 4 :
marks[3][0]= 88
marks[3][1]= 77
marks[3][2]= 66
Enter the marks obtained by student 5 :
marks[4][0]= 67
marks[4][1]= 78
marks[4][2]= 89
The highest marks obtained in the subject 1 =99
The highest marks obtained in the subject 2 =90
The highest marks obtained in the subject 3 =100
계속하려면 아무 키나 누르십시오 . . .
20.
#include <stdio.h>
int main()
        int i,j;
        int a[3][3];
        printf("Enter the elements of the matrix\n");
        for(i=0;i<3;i++)
                 for(j=0;j<3;j++)
                          scanf("%d",&a[i][j]);
                 }
        }
        for(i=0;i<3;i++)
```

```
{
                  for(j=0;j<3;j++)</pre>
                            {
                                     printf("%d\t",a[i][j]);
                                     printf("\n");
         }
 C:₩WINDOWS₩system32₩cmd.exe
Enter the elements of the matrix
1 2 3 4 5 6 7 8 9
#include <stdio.h>
int main()
         int a[3][3],b[3][3];
         int i,j;
         printf("Enter the elements of the matrix");
         for(i=0;i<3;i++)
                  for(j=0;j<3;j++)</pre>
                            scanf("%d",&a[i][j]);
         printf("The elements of the matrix are\n");
         for(i=0;i<3;i++)
                  for(j=0;j<3;j++)</pre>
                            printf("%d",a[i][j]);
                  printf("\n");
         for(i=0;i<3;i++)
```

```
{
               for(j=0;j<3;j++)
                      b[i][j]=a[j][i];\\
               }
       }
       printf("The elements of the transposed matrix are\n");
       for(i=0;i<3;i++)
               for(j=0;j<3;j++)
                      printf("%d",b[i][j]);
               printf("\n");
       }
Enter the elements of the matrix1 2 3 4 5 6 7 8 9
The elements of the matrix are
456
789
The elements of the transposed matrix are
 147
258
계속하려면 아무 키나 누르십시오 . . .
22.
#include <stdio.h>
int main()
{
       int a[3][3],b[3][3],c[3][3];
       int i,j;
       int row1,row2,col1,col2;
       printf("Enter the number of row in the first matrix : \n");
       scanf("%d",&row1);
       printf("Enter the number of collumns in the first matrix: \n");
       scanf("%d",&col1);
       printf("Enter the number of row in the second matrix : \n");
```

```
scanf("%d",&row2);
printf("Enter the number of collumns in the second matrix : \n");
scanf("%d",&col2);
if(row1!=row2 || col1!=col2)
          printf("it cannot be calculated");
          return 0;
printf("Enter the elements of the first matrix\n");
for(i=0;i<row1;i++)</pre>
{
          for(j=0;j<col1;j++)</pre>
                   scanf("%d",&a[i][j]);
printf("Enter the elements of the second matrix\n");
for(i=0;i<row2;i++)</pre>
          for(j=0;j<col2;j++)
                   scanf("%d",&b[i][j]);
for(i=0;i<row1;i++)</pre>
          for(j=0;j<col1;j++)</pre>
                   c[i][j]=a[i][j]+b[i][j];
          }
printf("The elements of the resultant matrix are\n");
for(i=0;i<row1;i++)</pre>
          for(j=0;j<col1;j++)</pre>
                   printf("%d ",c[i][j]);
              printf("\n");
}
```

}

```
the number of row in the first matrix
 Enter the number of collumns in the first matrix :
Enter the number of row in the second matrix :
Enter the number of collumns in the second matrix :
 nter the elements of the second matrix 6 7 8
     elements of the resultant matrix are
    하려면 아무 키나 누르십시오 . . .
23.
#include <stdio.h>
int main()
       int a[3][3],b[3][3],c[3][3];
       int i,j,k;
       int row1,row2,col1,col2;
       printf("Enter the number of row in the first matrix: \n");
       scanf("%d",&row1);
       printf("Enter the number of collumns in the first matrix: \n");
       scanf("%d",&col1);
       printf("Enter the number of row in the second matrix: \n");
       scanf("%d",&row2);
       printf("Enter the number of collumns in the second matrix: \n");
       scanf("%d",&col2);
       if(row1!=col2)
               printf("it cannot be calculated");
               return 0;
       printf("Enter the elements of the first matrix\n");
       for(i=0;i<row1;i++)</pre>
               for(j=0;j<col1;j++)</pre>
                       scanf("%d",&a[i][j]);
               }
       }
       printf("Enter the elements of the second matrix\n");
       for(i=0;i< row2;i++)
```

```
{
            for(j=0;j<col2;j++)</pre>
                   scanf("%d",&b[i][j]);
     }
            for(i=0;i<row1;i++)</pre>
                   for(j=0;j<col2;j++)
                                 c[i][j]=0;
                          for(k=0;k<col2;k++)
                                 {
                                        c[i][j]+=a[i][k]*b[k][j];
                   }
            }
            printf("The elements of the procut matrix are \n");
            for(i=0;i<row1;i++)</pre>
                   {
                          for(j=0;j<col2;j++)</pre>
                                 {
                                        printf("%d ",c[i][j]);
                          printf("\n");
                   }
       the number of row in the first matrix
Enter the number of collumns in the first matrix :
nter the number of row in the second matrix :
nter the number of collumns in the second matrix :
      the elements of the first matrix
 ter the elements of the second matrix
6 7 8
 6 7 8
he elements of the procut matrix are
   윾하려면 아무 키나 누르십시오 . . .
```

```
24.
```

```
#include <stdio.h>
int main()
          int num;
         int i,j;
         int a[5][5];
          printf("Enter the number of rows and colnms of the matrix ");
          scanf("%d",&num);
          for(i=0;i<num;i++)</pre>
                   for(j=0;j<num;j++)</pre>
                              if(i>j)
                                       a[i][j]=-1;
                              else if(i<j)
                                       a[i][j]=1;
                              else
                                       a[i][j]=0;
                   }
         for(i=0;i<num;i++)</pre>
                    for(j=0;j<num;j++)</pre>
                              printf("%d
                                                 ",a[i][j]);
                    printf("\n");
```

```
Enter the number of rows and colnms of the matrix 2
0 1
-1 0
계속하려면 아무 키나 누르십시오 . . .
```

```
25.
#include <stdio.h>
void display(int (*mat)[3]);
int main()
         int i,j;
         int a[3][3];
         printf("Enter the elements of the matrix\n");
         for(i=0;i<3;i++)</pre>
                   for(j=0;j<3;j++)
                            scanf("%d",&a[i][j]);
         }
         display(a);
}
void display(int (*mat)[3])
         {
                   int i,j;
                   printf("The elements of the matrix are\n");
                   for(i=0;i<3;i++)
                            for(j=0;j<3;j++)
                                      printf("%d",*(*(mat+i)+j));
                            printf("\n");
                   }
         }
```

```
Enter the elements of the matrix
1 2 3 4 5 6 7 8 9
The elements of the matrix are
123
456
789
계속하려면 아무 키나 누르십시오 . . .
```

```
26.
#include <stdio.h>
void display(int (*a)[2][2]);
int main()
{
          int i,j,r;
          int a[2][2][2];
          printf("Enter the elements of the matrix\n");
          for(i=0;i<2;i++)</pre>
                    for(j=0;j<2;j++)</pre>
                              for(r=0;r<2;r++)</pre>
                                        scanf("%d",&a[i][j][r]);
                    }
          }
          display(a);
}
void display(int (*a)[2][2])
{
                    int i,j,r;
                    printf("The matrix is \n");
                    for(i=0;i<2;i++)</pre>
                              for(j=0;j<2;j++)</pre>
                                                  for(r=0;r<2;r++)
                                                                      printf("arr[%d][%d][%d]=%d
",i,j,r,a[i][j][r]);
                                                  printf("\n");
                    }
```

```
Enter the elements of the matrix
1 2 3 4 5 6 7 8
The matrix is
                       arr[0][0][1]=2
                       arr[0]
                       arr[1][0][1]=6
                       arr[1][1][1]=8
                       키
27.
#include <stdio.h>
void display(int (*a)[2][2]);
int main()
         int i,j,r;
         int a[2][2][2];
         printf("Enter the elements of the matrix\n");
         for(i=0;i<2;i++)
                  for(j=0;j<2;j++)</pre>
                           for(r=0;r<2;r++)
                                    scanf("%d",&a[i][j][r]);
                  }
         }
         display(a);
}
void display(int (*a)[2][2])
                  int i,j,r;
                  printf("The matrix is ");
                  for(i=0;i<2;i++)</pre>
                           for(j=0;j<2;j++)
```

```
for(r=0;r<2;r++)
                                                     {
                                                             printf("%d ",*(*(a+i)+j)+r));
                                                     }
                                   }
                 }
}
```

C:\WINDOWS\system32\cmd.exe

Enter the elements of the matrix 1 2 3 4 5 6 7 8 The matrix is 1 2 3 4 5 6 7 8 계속하려면 아무 키나 누르십시오 . . .