

```

1  #include <stdio.h>
2  int main() {
3      int a[100][100], b[100][100], c[100][100];
4      int x, y, i, j;
5      scanf("%d%d", &x, &y);
6      for (i=0; i<x; i++) {
7          for (j=0; j<y; j++) {
8              scanf("%d", &a[i][j]);
9          }
10     }
11     for (i=0; i<x; i++) {
12         for (j=0; j<y; j++) {
13             printf("%d\t", a[i][j]);
14         }
15         printf("\n");
16     }
17     for (i=0; i<x; i++) {
18         for (j=0; j<y; j++) {
19             scanf("%d", &b[i][j]);
20         }
21     }
22     for (i=0; i<x; i++) {
23         for (j=0; j<y; j++) {
24             printf("%d\t", b[i][j]);
25         }
26         printf("\n");
27     }
28     printf("\n\n");
29     for (i=0; i<x; i++) {
30         for (j=0; j<y; j++) {
31             c[i][j] = a[i][j] + b[i][j];
32             printf("%d\t", c[i][j]);
33         }
34         printf("\n");
35     }
36 }
37

```

```

3 3
90 61 78
21 45 73
96 45 14

6 8 3
4 9 6
1 3 5

96 69 81
25 54 79
97 48 19

Process returned 0 (0x0)   execution
time : 67.919 s
Press any key to continue.

```

```

1  #include <stdio.h>
2  int main() {
3      int a[100][100], b[100][100], c[100][100];
4      int x, y, i, j;
5      scanf("%d%d", &x, &y);
6      for (i=0; i<x; i++) {
7          for (j=0; j<y; j++) {
8              scanf("%d", &a[i][j]);
9          }
10     }
11     for (i=0; i<x; i++) {
12         for (j=0; j<y; j++) {
13             printf("%d\t", a[i][j]);
14         }
15         printf("\n");
16     }
17     for (i=0; i<x; i++) {
18         for (j=0; j<y; j++) {
19             scanf("%d", &b[i][j]);
20         }
21     }
22     for (i=0; i<x; i++) {
23         for (j=0; j<y; j++) {
24             printf("%d\t", b[i][j]);
25         }
26         printf("\n");
27     }
28     printf("\n\n");
29     for (i=0; i<x; i++) {
30         for (j=0; j<y; j++) {
31             c[i][j] = a[i][j] - b[i][j];
32             printf("%d\t", c[i][j]);
33         }
34         printf("\n");
35     }
36 }
37

```

```

E:\Class\Ask.c\Solving lab codes\@2nd Semest...
3
3
9 6 7
2 4 6
7 5 4
9      6      7
2      4      6
7      5      4
74 10 21
36 45 57
91 23 26
74      10      21
36      45      57
91      23      26

-65      -4      -14
-34      -41     -51
-84      -18     -22

Process returned 0 (0x0)   execution
time : 50.473 s
Press any key to continue.

```

```

1  #include <stdio.h>
2  int main() {
3      int a[100][100], b[100][100], c[100][100];
4      int x, y, i, j;
5      scanf("%d%d", &x, &y);
6      for (i=0; i<x; i++) {
7          for (j=0; j<y; j++) scanf("%d", &a[i][j]);
8      }
9      for (i=0; i<x; i++) {
10         for (j=0; j<y; j++) printf("%d\t", a[i][j]);
11         printf("\n");
12     }
13     for (i=0; i<x; i++) {
14         for (j=0; j<y; j++) scanf("%d", &b[i][j]);
15     }
16     for (i=0; i<x; i++) {
17         for (j=0; j<y; j++) printf("%d\t", b[i][j]);
18         printf("\n");
19     }
20     printf("\n\n");
21     for (i=0; i<x; i++) {
22         for (j=0; j<y; j++) {
23             for (int k=0; k<y; k++) {
24                 c[i][j] += a[i][k] * b[k][j];
25             }
26             c[i][j] = a[i][j] + b[i][j];
27             printf("%d\t", c[i][j]);
28         }
29         printf("\n");
30     }
31 }
32 }

```

```

"E:\Class\Ask.c\Solving lab codes\@2nd S...
3 3
1 6 8
4 9 3
7 5 3
1      6      8
4      9      3
7      5      3
9 4 3
5 2 1
1 9 6
9      4      3
5      2      1
1      9      6

10      10      11
9      11      4
8      14      9

Process returned 0 (0x0)   execution
time : 31.658 s
Press any key to continue.

```

```

1  #include <stdio.h>
2  int main() {
3      int a[100][100];
4      int x, y, i, j, s=0;
5      scanf("%d%d", &x, &y);
6      for (i=0; i<x; i++) {
7          for (j=0; j<y; j++) {
8              scanf("%d", &a[i][j]);
9              if(i==j)
10                 s+=a[i][j];
11          }
12      }
13      for (i=0; i<x; i++) {
14          for (j=0; j<y; j++) {
15              printf("%d\t", a[i][j]);
16          }
17          printf("\n");
18      }
19
20      printf("%d", s);
21  }

```

```

3 3
1 2 3
4 5 6
7 8 9
15
Process returned 0 (0x0)
execution time : 18.145 s
Press any key to continue.

```

```

1  #include <stdio.h>
2
3  int main() {
4      int a[100][100], b[100][100];
5      int x, y, i, j;
6      scanf("%d%d", &x, &y);
7      for(i=0; i<x; i++) {
8          for(j=0; j<y; j++) {
9              scanf("%d", &a[i][j]);
10             }
11         }
12     for(i=0; i<x; i++) {
13         for(j=0; j<y; j++) {
14             printf("%d\t", a[i][j]);
15         }
16         printf("\n");
17     }
18     printf("\n\n");
19     for(i=0; i<x; i++) {
20         for(j=0; j<y; j++) {
21             b[i][j]=a[j][i];
22             printf("%d\t", b[i][j]);
23         }
24         printf("\n");
25     }
26 }

```

```

"E:\Class\Ask.c\Solving lab codes\...
3 3
89 54 13
74 51 26
27 57 28
89      54      13
74      51      26
27      57      28
89      74      27
54      51      57
13      26      28

Process returned 0 (0x0)
execution time : 22.600 s
Press any key to continue.

```

```

1  #include <stdio.h>
2
3  int main() {
4      int x, y;
5      scanf("%d%d", &x, &y);
6      int a[x][y];
7      for(int i=0; i<x; i++) {
8          for(int j=0; j<y; j++) {
9              scanf("%d", &a[i][j]);
10             }
11         }
12     for(int i=0; i<x; i++) {
13         for(int j=0; j<y; j++) {
14             if(j<=i)
15                 printf("%d\t", a[i][j]);
16             else
17                 printf("0\t");
18         }
19         printf("\n");
20     }
21 }

```

```

5 5
96 47 85 12 13
96 74 55 56 14
78 45 66 61 20
71 22 44 66 79
13 37 25 36 95
Process returned 0 (0x0) execution
time : 53.004 s
Press any key to continue.

```

```

1  #include <stdio.h>
2
3  int main() {
4      int a[100][100];
5      int x, y, i, j;
6      scanf("%d%d", &x, &y);
7      for(i=0; i<x; i++) {
8          for(j=0; j<y; j++)
9              scanf("%d", &a[i][j]);
10     }
11     for(i=0; i<x; i++) {
12         for(j=0; j<y; j++)
13             printf("%d\t", a[i][j]);
14         printf("\n");
15     }
16     printf("\n\n");
17     for(i=0; i<x; i++) {
18         for(j=0; j<y; j++) {
19             if(j>=i)
20                 printf("%d\t", a[i][j]);
21             else
22                 printf("0\t");
23         }
24         printf("\n");
25     }
26 }

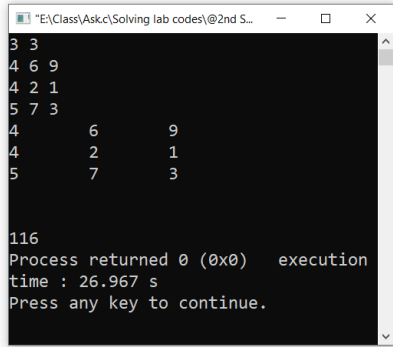
```

```

"E:\Class\Askc\Solving lab cod...
5 5
47 85 96 25 47
16 58 96 14 25
17 59 54 53 26
17 48 95 91 34
16 85 47 25 33
47      85      96      25      47
16      58      96      14      25
17      59      54      53      26
17      48      95      91      34
16      85      47      25      33
47      85      96      25      47
0       58      96      14      25
0       0       54      53      26
0       0       0       91      34
0       0       0       0       33
Process returned 0 (0x0)   execution
time : 36.598 s
Press any key to continue.

```

```
1 #include <stdio.h>
2
3 int main() {
4     int a[100][100], b[100][100];
5     int x, y, i, j, d;
6     scanf("%d%d", &x, &y);
7     for(i=0; i<x; i++) {
8         for(j=0; j<y; j++) {
9             scanf("%d", &a[i][j]);
10        }
11    }
12    for(i=0; i<x; i++) {
13        for(j=0; j<y; j++) {
14            printf("%d\t", a[i][j]);
15        }
16        printf("\n");
17    }
18    printf("\n\n");
19
20    if(x==2&&y==2) {
21        d=a[0][0]*a[1][1]-a[1][0]*a[0][1];
22        printf("%d", d);
23    }
24    if(x==3&&y==3) {
25        d= a[0][0]*((a[1][1]*a[2][2])-(a[2][1]*a[1][2]))-a[0][1]*((a[1][0]*a[2][2])-(a[2][0]*a[1][2]))+a[0][2]*((a[1][0]*a[2][1])-(a[2][0]*a[1][1]));
26        printf("%d", d);
27    }
28 }
29
```




```

1  #include <stdio.h>
2
3  int main()
4  {
5      int n, l, t=0;
6      scanf("%d", &n);
7      int arr[n];
8      for(int i=0; i<n; i++){
9          scanf("%d", &l);
10         arr[i]=l;
11     }
12     l = n;
13     for (int i = 0; i < l; i++) {
14         for (int j = i+1; j < l; j++) {
15             if(arr[i] > arr[j]) {
16                 t = arr[i];
17                 arr[i] = arr[j];
18                 arr[j] = t;
19             }
20         }
21     }
22     printf("%d", arr[n-1]);
23
24 }

```

```

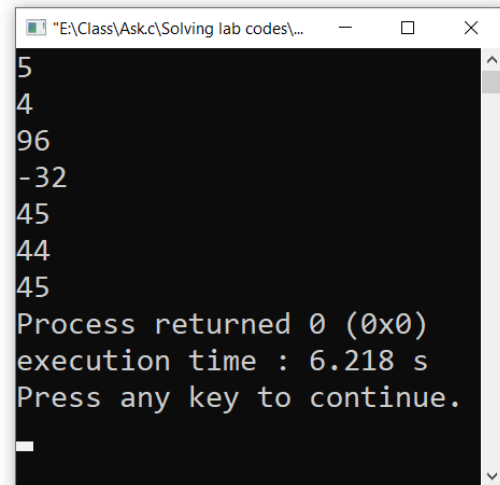
E:\Class\Ask.c\Solving lab codes\@2nd Seme...
5
96
-71
-55
21
89
96
Process returned 0 (0x0)   execution
time : 13.681 s
Press any key to continue.

```

```

1  #include <stdio.h>
2
3  int main()
4  {
5      int n, l, t=0;
6      scanf("%d", &n);
7      int arr[n];
8      for(int i=0; i<n; i++){
9          scanf("%d", &l);
10         arr[i]=l;
11     }
12     l = n;
13     for (int i = 0; i < l; i++) {
14         for (int j = i+1; j < l; j++) {
15             if(arr[i] > arr[j]) {
16                 t = arr[i];
17                 arr[i] = arr[j];
18                 arr[j] = t;
19             }
20         }
21     }
22     printf("%d", arr[n-2]);
23
24 }

```



```

E:\Class\Ask.c\Solving lab codes\...
5
4
96
-32
45
44
45
Process returned 0 (0x0)
execution time : 6.218 s
Press any key to continue.

```

```

1  #include <stdio.h>
2
3  int main()
4  {
5      int n, l, t=0;
6      scanf("%d", &n);
7      int arr[n];
8      for(int i=0; i<n; i++){
9          scanf("%d", &l);
10         arr[i]=l;
11     }
12     l = n;
13     for (int i = 0; i < l; i++) {
14         for (int j = i+1; j < l; j++) {
15             if(arr[i] > arr[j]) {
16                 t = arr[i];
17                 arr[i] = arr[j];
18                 arr[j] = t;
19             }
20         }
21     }
22     printf("%d", arr[1]);
23
24 }

```

```

5
6
9
-74
-25
-98
-74
Process returned 0 (0x0)
execution time : 12.416 s
Press any key to continue.

```

```

1  #include <stdio.h>
2  int main ()
3  {
4      int arr[20], i, j, k, x, t;
5      scanf (" %d", &x);
6      for( i=0; i<x; i++) scanf ("%d", &arr[i]);
7      for( i=0; i<x; i++){
8          for(j=i+1; j<x; j++){
9              if(arr[i]==arr[j]){
10                 for(k=j; k<x-1; k++) arr[k]=arr[k+1];
11                 x--;
12                 j--;
13             }
14         }
15     }
16     for (int i = 0; i < x; i++) {
17         for (int j = i+1; j < x; j++) {
18             if(arr[i] > arr[j]) {
19                 t = arr[i];
20                 arr[i] = arr[j];
21                 arr[j] = t;
22             }
23         }
24     }
25     for(i=0; i<x; i++) printf ("%d\t", arr[i]);
26 }

```

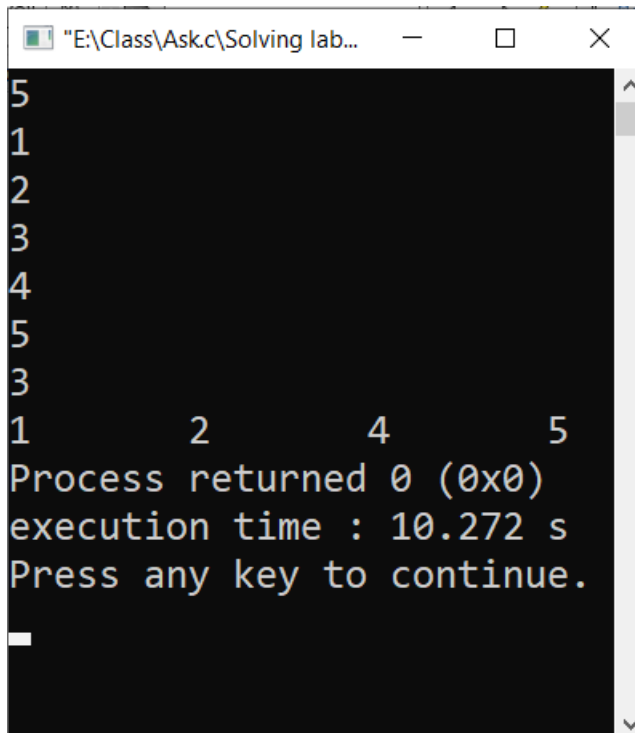
"E:\Class\Ask.c\Solving lab codes\@2nd Se...

```

10
9
4
4
5
8
5
3
1
2
4
1    2    3    4    5    8    9
Process returned 0 (0x0)   execution time : 7.958 s
Press any key to continue.

```

```
1  #include<stdio.h>
2  int main(){
3      int n, p;
4      scanf("%d", &n);
5      int a[n];
6
7      for(int i=0; i<n; i++) scanf("%d", &a[i]);
8      scanf("%d", &p);
9      for(int i=p-1; i<n-1; i++) a[i]=a[i+1];
10     for(int i=0; i<n-1; i++) printf("%d\t", a[i]);
11 }
12
```



```
"E:\Class\Ask.c\Solving lab...  -  □  X
5
1
2
3
4
5
3
1      2      4      5
Process returned 0 (0x0)
execution time : 10.272 s
Press any key to continue.
_
```

```

1  #include<stdio.h>
2  int main() {
3      int n, p, q, i;
4      scanf("%d", &n);
5      int a[n];
6
7      for(i=0; i<n; i++) scanf("%d", &a[i]);
8      scanf("%d", &p);
9      scanf("%d", &q);
10     for(i=n; i>=p; i--) a[i]=a[i-1];
11     a[p]=i;
12     n++;
13     for(i=0; i<n; i++) printf("%d\t", a[i]);
14 }
15

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Bristy Maam... — □ ×

```

-74
-96
-31
-33
45
3
2
-74    -96    -31    2    -33    45
Process returned 0 (0x0)   execution time :
22.594 s
Press any key to continue.

```

```

1  #include <stdio.h>
2
3  int main()
4  {
5      int n, l, t=0;
6      scanf("%d", &n);
7      int arr[n];
8      for(int i=0; i<n; i++){
9          scanf("%d", &l);
10         arr[i]=l;
11     }
12     l = n;
13     for (int i = 0; i < l; i++) {
14         for (int j = i+1; j < l; j++) {
15             if(arr[i] > arr[j]) {
16                 t = arr[i];
17                 arr[i] = arr[j];
18                 arr[j] = t;
19             }
20         }
21     }
22     printf("Largest Element = %d\nSmallest Element = %d", arr[n-1], arr[0]);
23
24 }

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semest... — □ ×

```

10
96
-25
1
4
7
6
8
2
3
4
Largest Element = 96
Smallest Element = -25
Process returned 0 (0x0)   execution
time : 12.595 s
Press any key to continue.

```