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

```
"E:\Class\Ask.c\Solving lab codes\@2nd Semest...
                                          X
3
90 61 78
21 45 73
96 45 14
90
         61
                   78
21
         45
                   73
96
         45
                   14
6 8 3
496
1 3 5
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];
         int x, y, i, j;
  4
  5
         scanf("%d%d", &x, &y);
     for (i=0; i<x; i++) {
  6
            for (j=0; j<y; j++) {
  scanf("%d", &a[i][j]);</pre>
  7
  8
  9
 10
 11
         for (i=0; i<x; i++) {
          for (j=0; j<y; j++) {</pre>
 12
             printf("%d\t", a[i][j]);
13
 14
 15
           printf("\n");
16
17
     for (i=0; i<x; i++) {
 18
     白
            for (j=0; j<y; j++) {</pre>
             scanf("%d", &b[i][j]);
 19
 20
 21
     自
 22
         for (i=0; i<x; i++) {
            for (j=0; j<y; j++) {
  printf("%d\t", b[i][j]);</pre>
 23
 24
 25
           printf("\n");
 26
 27
 28
         printf("\n\n");
 29
     for (i=0; i<x; i++) {
           for (j=0; j<y; j++) {
   c[i][j] = a[i][j] - b[i][j];</pre>
 30
 31
 32
                printf("%d\t", c[i][j]);
 33
 34
            printf("\n");
 35
 36
37
```

```
"E:\Class\Ask.c\Solving lab codes\@2nd Semest... —
                                      X
3
9
 6 7
2 4 6
  5 4
9
         6
                   7
2
         4
                   6
         5
                   4
74 10 21
36 45 57
91 23 26
74
                   21
         10
36
         45
                   57
91
                   26
         23
-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() {
                                                            ■ "E:\Class\Ask.c\Solving lab codes\@2nd S...
                                                                                               X
 3
         int a[100][100], b[100][100], c[100][100];
                                                            3 3
 4
         int x, y, i, j;
                                                            1 6 8
 5
         scanf("%d%d", &x, &y);
                                                            493
  6
     for (i=0; i<x; i++) {
                                                            7 5 3
 7
           for (j=0; j<y; j++) scanf("%d", &a[i][j]);</pre>
 8
                                                                     6
                                                                              8
     for (i=0; i<x; i++) {
 9
                                                            4
                                                                     9
                                                                              3
          for (j=0; j<y; j++) printf("%d\t", a[i][j]);</pre>
 10
                                                                     5
                                                                              3
           printf("\n");
 11
12
                                                            9
                                                             4 3
13
    for (i=0; i<x; i++) {
                                                            5
                                                             2 1
          for (j=0; j<y; j++) scanf("%d", &b[i][j]);</pre>
14
    196
15
                                                                     4
                                                                              3
16
        for (i=0; i<x; i++) {
           for (j=0; j<y; j++) printf("%d\t", b[i][j]);</pre>
                                                                     2
                                                                              1
17
18
           printf("\n");
                                                                     9
                                                                              6
 19
 20
         printf("\n\n");
 21
        for (i=0; i<x; i++) {
                                                                              11
                                                            10
                                                                     10
 22
           for (j=0; j<y; j++) {</pre>
               for(int k=0; k<y; k++) {</pre>
                                                                     11
                                                                              4
 23
 24
                   c[i][j]+=a[i][k]*b[k][j];
                                                                     14
                                                                              9
 25
 26
               c[i][j] = a[i][j] + b[i][j];
                                                            Process returned 0 (0x0)
                                                                                          execution
 27
               printf("%d\t", c[i][j]);
                                                            time : 31.658 s
 28
 29
           printf("\n");
                                                            Press any key to continue.
 30
 31
32
```

```
#include <stdio.h>
 2
     \negint main() {
 3
         int a[100][100];
         int x, y, i, j, s=0;
scanf("%d%d", &x, &y);
 4
 5
 6
         for (i=0; i<x; i++) {</pre>
 7
           for (j=0; j<y; j++) {
             scanf("%d", &a[i][j]);
 8
 9
             if(i==j)
10
             s+=a[i][j];
11
12
         for (i=0; i<x; i++) {</pre>
13
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
```

```
"E:\Class\Ask.c\Solving lab codes\@2nd ...
                          3 3
1 2 3
4 5 6
 8 9
         2
                   3
         5
                   6
         8
                   9
15
Process returned 0 (0x0)
 execution time : 18.145 s
Press any key to continue.
```

```
1 #include <stdio.h>
                                               "E:\Class\Ask.c\Solving lab codes\... —
                                                                         X
 3
    | int main() {
 4
          int a[100][100], b[100][100];
                                              3 3
 5
          int x, y, i, j;
                                              89 54 13
          scanf("%d%d", &x, &y);
 6
                                              74 51 26
          for(i=0; i<x; i++) {</pre>
 7
                                              27 57 28
 8
               for(j=0; j<y; j++) {</pre>
                   scanf("%d", &a[i][j]);
 9
                                              89
                                                        54
                                                                  13
10
                                              74
                                                        51
                                                                  26
11
                                              27
                                                        57
                                                                  28
12
          for(i=0; i<x; i++) {</pre>
13
               for(j=0; j<y; j++) {</pre>
14
                   printf("%d\t", a[i][j]);
15
                                              89
                                                        74
                                                                  27
               printf("\n");
16
                                              54
                                                        51
                                                                  57
17
          printf("\n\n");
                                              13
18
                                                        26
                                                                  28
          for(i=0; i<x; i++) {</pre>
19
               for(j=0; j<y; j++) {</pre>
20
                                              Process returned 0 (0x0)
21
                   b[i][j]=a[j][i];
                                              execution time : 22.600 s
                   printf("%d\t", b[i][j]);
22
23
                                              Press any key to continue.
24
               printf("\n");
25
26
```

```
#include <stdio.h>
 1
 2
                                                      "E:\Class\Ask.c\Solving lab codes\@...
 3
     □int main() {
                                                      96 47 85 12 13
 4
            int x, y;
                                                      96 74 55 56 14
 5
            scanf("%d%d", &x, &y);
                                                      78 45 66 61 20
                                                      71 22 44 66 79
 6
            int a[x][y];
                                                     13 37 25 36 95
 7
            for(int i=0; i<x; i++) {</pre>
                                                     96
                                                            0
                                                                          0
 8
                  for(int j=0; j<y; j++) {</pre>
                                                     96
                                                            74
                                                                          0
                                                                                 0
                                                                    0
                                                            45
                                                                                 0
                       scanf("%d", &a[i][j]);
                                                                    66
                                                                          0
 9
                                                             22
                                                                    44
                                                                           66
10
                                                             37
                                                                    25
                                                                          36
                                                                                  95
11
                                                     Process returned 0 (0x0)
                                                                             execution
            for(int i=0; i<x; i++) {</pre>
12
                                                     time : 53.004 s
13
                  for(int j=0; j<y; j++) {</pre>
                                                      Press any key to continue.
14
                       if(j<=i)
15
                            printf("%d\t", a[i][j]);
16
                       else
17
                            printf("0\t");
18
19
                 printf("\n");
20
21
```

```
1 #include <stdio.h>
 2
 3
    □int main() {
                                                         ■ "E:\Class\Ask.c\Solving lab cod... —
                                                                                     \times
            int a[100][100];
 4
 5
            int x, y, i, j;
                                                         47 85 96 25 47
  6
            scanf("%d%d", &x, &y);
                                                         16 58 96 14 25
 7
            for(i=0; i<x; i++) {</pre>
                                                         17 59 54 53 26
                 for(j=0; j<y; j++)</pre>
                                                         17 48 95 91 34
 8
                                                         16 85 47 25 33
                      scanf("%d", &a[i][j]);
 9
                                                         47
                                                                85
                                                                        96
                                                                               25
                                                                                       47
10
                                                         16
                                                                58
                                                                        96
                                                                               14
                                                                                       25
11
            for(i=0; i<x; i++) {</pre>
                                                         17
                                                                        54
                                                                59
                                                                               53
                                                                                       26
12
                 for(j=0; j<y; j++)
                                                         17
                                                                48
                                                                        95
                                                                               91
                                                                                       34
13
                     printf("%d\t", a[i][j]);
                                                         16
                                                                85
                                                                       47
                                                                               25
                                                                                       33
14
                 printf("\n");
15
            printf("\n\n");
                                                         47
                                                                                       47
16
                                                                85
                                                                        96
                                                                               25
                                                         0
                                                                58
                                                                        96
                                                                               14
                                                                                       25
17
            for(i=0; i<x; i++) {</pre>
                                                                0
                                                                        54
                                                                               53
                                                                                       26
18
                 for(j=0; j<y; j++) {</pre>
                                                                0
                                                                        0
                                                                               91
                                                                                       34
                     if(j>=i)
19
                                                                0
                                                                        0
                                                                               0
                                                                                       33
20
                          printf("%d\t", a[i][j]);
21
                      else
                                                         Process returned 0 (0x0)
                                                                                  execution
22
                          printf("0\t");
                                                         time : 36.598 s
23
                                                         Press any key to continue.
24
                 printf("\n");
25
26
```

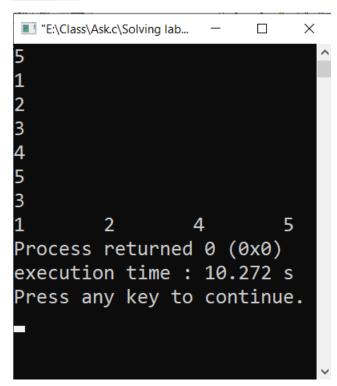
```
1 #include <stdio.h>
 2
 3
      int main()
    □ {
 4
 5
           int n, 1, t=0;
 6
           scanf("%d", &n);
 7
           int arr[n];
 8
           for(int i=0; i<n; i++) {</pre>
                                                   ■ "E:\Class\Ask.c\Solving lab codes\@2nd Seme... —
               scanf("%d", &1);
 9
10
               arr[i]=1;
                                                   96
11
                                                   -71
12
           1 = n;
                                                   -55
           for (int i = 0; i < 1; i++) {
13
                                                   21
               for (int j = i+1; j < 1; j++) {
14
                                                   89
                  if(arr[i] > arr[j]) {
15
                                                   96
16
                       t = arr[i];
                                                   Process returned 0 (0x0)
                                                                               execution
17
                       arr[i] = arr[j];
                                                    time : 13.681 s
18
                       arr[j] = t;
                                                   Press any key to continue.
19
20
21
22
           printf("%d", arr[n-1]);
23
24 }
```

```
1 #include <stdio.h>
 2
 3
      int main()
 4
    "E:\Class\Ask.c\Solving lab codes\... —
                                                                         5
           int n, 1, t=0;
 6
           scanf("%d", &n);
 7
           int arr[n];
                                                 96
           for(int i=0; i<n; i++) {</pre>
 8
                                                 -32
 9
               scanf("%d", &1);
                                                 45
10
               arr[i]=l;
11
                                                 44
12
          1 = n;
                                                 45
13
          for (int i = 0; i < 1; i++) {</pre>
                                                 Process returned 0 (0x0)
              for (int j = i+1; j < 1; j++) {
14
                                                 execution time : 6.218 s
15
                  if(arr[i] > arr[j]) {
                                                 Press any key to continue.
16
                      t = arr[i];
17
                      arr[i] = arr[j];
18
                      arr[j] = t;
19
20
               }
21
22
          printf("%d", arr[n-2]);
23
24
```

```
1 #include <stdio.h>
 2
 3
      int main()
 4
    □ {
 5
           int n, 1, t=0;
                                                    "E:\Class\Ask.c\Solving lab c... —
 6
           scanf("%d", &n);
 7
                                                    5
6
9
           int arr[n];
 8
           for(int i=0; i<n; i++) {</pre>
               scanf("%d", &1);
 9
10
               arr[i]=l;
                                                    -74
11
           }
                                                    -25
           1 = n;
12
                                                    -98
           for (int i = 0; i < 1; i++) {</pre>
13
                                                    -74
               for (int j = i+1; j < 1; j++) {
14
                                                    Process returned 0 (0x0)
15
                   if(arr[i] > arr[j]) {
                                                     execution time : 12.416 s
16
                       t = arr[i];
17
                       arr[i] = arr[j];
                                                    Press any key to continue.
18
                       arr[j] = t;
19
                   }
20
               }
21
22
           printf("%d", arr[1]);
23
24
```

```
#include <stdio.h>
 2
       int main ()
 3
    4
            int arr[20], i, j, k, x, t;
 5
            scanf (" %d", &x);
            for( i=0; i<x; i++) scanf ("%d", &arr[i]);</pre>
 6
 7
            for( i=0; i<x; i++) {</pre>
 8
                 for (j=i+1; j<x; j++) {</pre>
 9
                      if(arr[i] == arr[j]) {
                           for(k=j; k<x-1; k++) arr[k]=arr[k+1];</pre>
10
11
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]);</pre>
26
"E:\Class\Ask.c\Solving lab codes\@2nd Se...
                                     X
Process returned 0 (0x0)
                      execution time : 7.958 s
Press any key to continue.
```

```
#include<stdio.h>
 1
 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]);</pre>
           scanf("%d", &p);
 8
           for(int i=p-1; i<n-1; i++) a[i]=a[i+1];</pre>
 9
           for(int i=0; i<n-1; i++) printf("%d\t", a[i]);</pre>
10
11
12
```



```
#include<stdio.h>
 2
     \negint main(){
 3
            int n, p, q, i;
            scanf("%d", &n);
 4
 5
            int a[n];
 6
 7
            for (i=0; i<n; i++) scanf("%d", &a[i]);</pre>
 8
            scanf("%d", &p);
            scanf("%d", &q);
 9
            for (i=n; i>=p; i--) a[i]=a[i-1];
10
11
            a[p]=i;
12
            n++;
13
            for(i=0; i<n; i++) printf("%d\t", a[i]);</pre>
14
15
■ "E:\Class\Ask.c\Solving lab codes\@2nd Semester\Bristy Maam...
                                              X
                                         -74
-96
-31
-33
45
3
        -96 -31 2
                                  -33
Process returned 0 (0x0) execution time:
22.594 s
Press any key to continue.
```

```
#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++) {</pre>
 9
                scanf("%d", &1);
 10
               arr[i]=1;
 11
12
           1 = n;
           for (int i = 0; i < 1; i++) {</pre>
13
14
               for (int j = i+1; j < 1; 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...
                                                         Х
10
96
-25
4
7
6
8
2
3
Largest Element = 96
```

Smallest Element = -25

Press any key to continue.

time : 12.595 s

Process returned 0 (0x0) execution