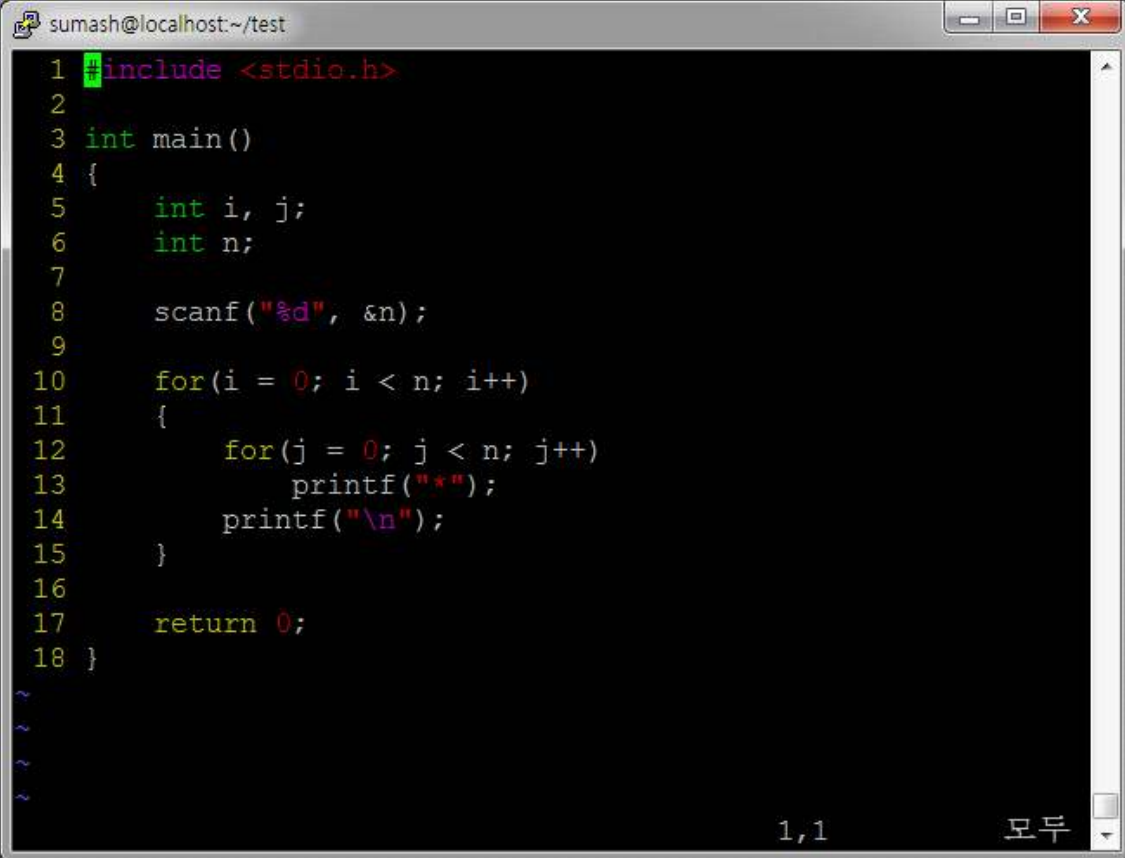
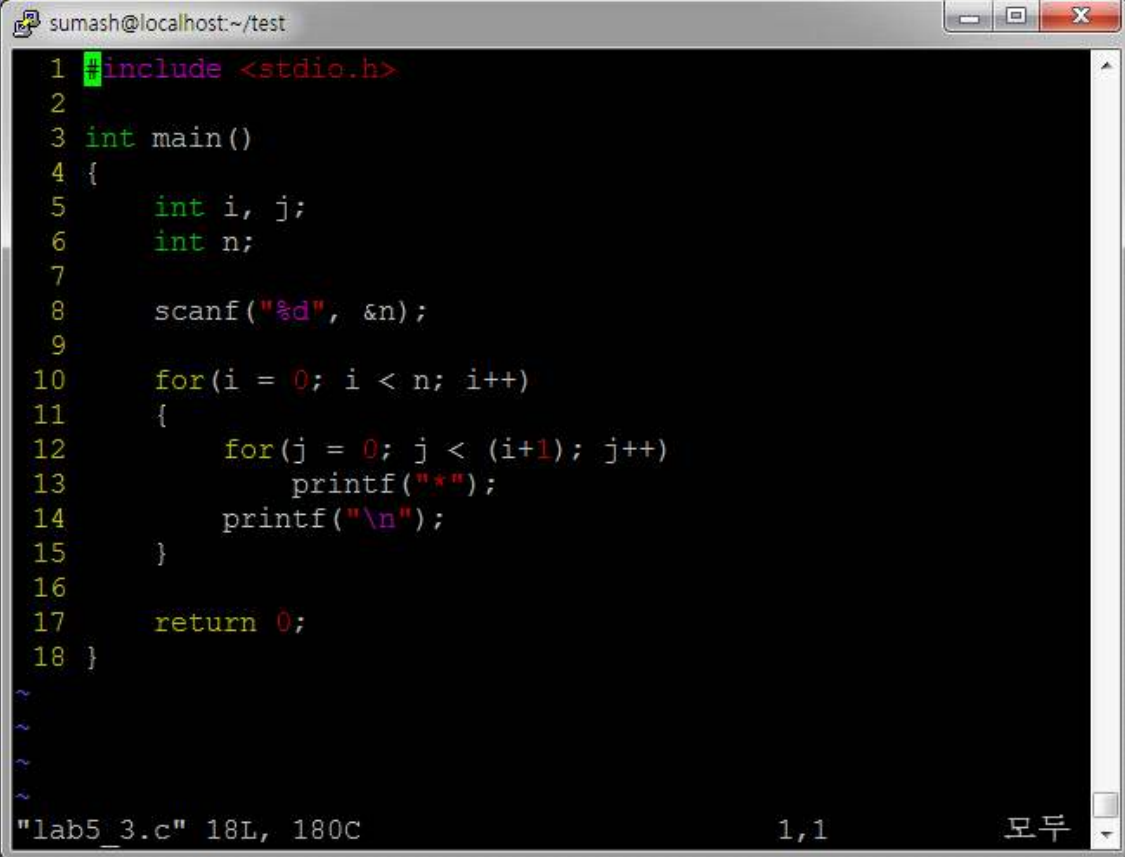


ex1



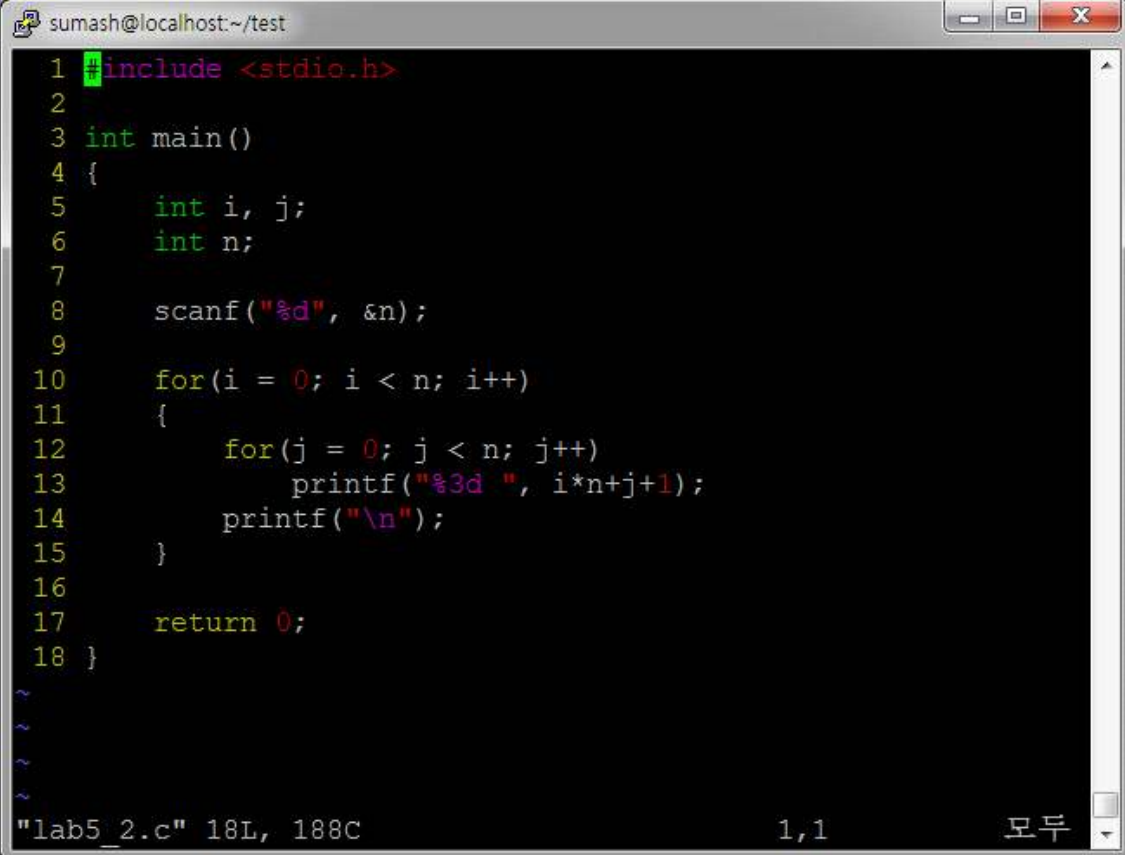
```
sumash@localhost:~/test
1 #include <stdio.h>
2
3 int main()
4 {
5     int i, j;
6     int n;
7
8     scanf("%d", &n);
9
10    for(i = 0; i < n; i++)
11    {
12        for(j = 0; j < n; j++)
13            printf("*");
14        printf("\n");
15    }
16
17    return 0;
18 }
~
~
~
~
1,1  모두
```

ex2



```
sumash@localhost:~/test
1 #include <stdio.h>
2
3 int main()
4 {
5     int i, j;
6     int n;
7
8     scanf("%d", &n);
9
10    for(i = 0; i < n; i++)
11    {
12        for(j = 0; j < (i+1); j++)
13            printf("*");
14        printf("\n");
15    }
16
17    return 0;
18 }
~
~
~
~
"lab5_3.c" 18L, 180C      1,1      모두
```

ex3



```
sumash@localhost:~/test
1 #include <stdio.h>
2
3 int main()
4 {
5     int i, j;
6     int n;
7
8     scanf("%d", &n);
9
10    for(i = 0; i < n; i++)
11    {
12        for(j = 0; j < n; j++)
13            printf("%3d ", i*n+j+1);
14        printf("\n");
15    }
16
17    return 0;
18 }
~
~
~
~
"lab5_2.c" 18L, 188C      1,1      모두
```

ex4

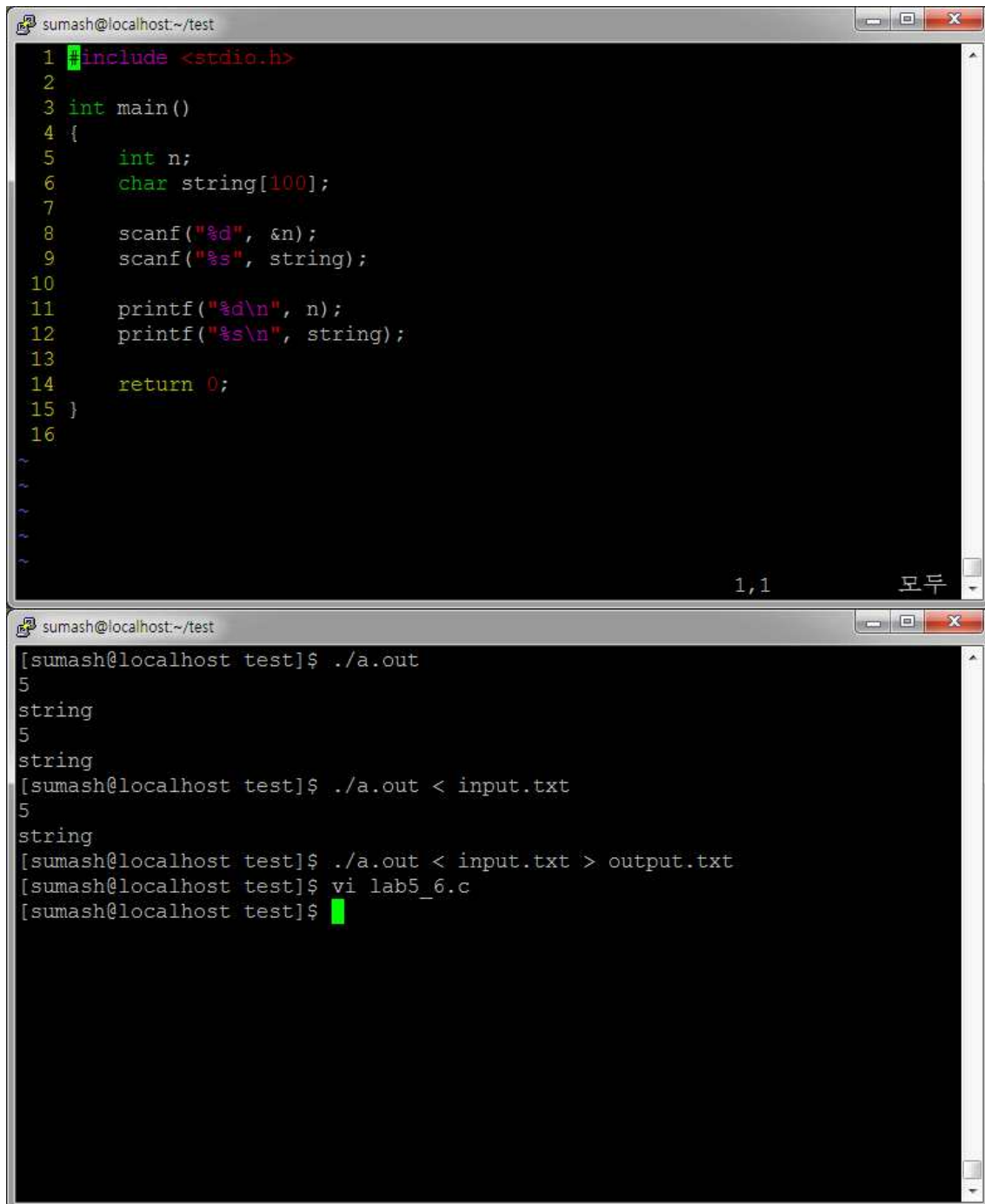
```
sumash@localhost:~/test
1  #include <stdio.h>
2
3  int main()
4  {
5      int i, j;
6      int n;
7      int array[100][100];
8
9      scanf("%d", &n);
10
11     for(i = 0; i < n; i++)
12     {
13         for(j = 0; j < n; j++)
14         {
15             array[i][j] = i*n+j+1;
16         }
17     }
18
19     for(i = 0; i < n; i++)
20     {
21         for(j = 0; j < n; j++)
22         {
23             printf("%3d ", array[i][j]);
24         }
25         printf("\n");
26     }
27     return 0;
28 }
```

1,1 모두

ex5

```
sumash@localhost:~/test
1 #include <stdio.h>
2
3 int main()
4 {
5     int i, j;
6     int n;
7     int array[100][100];
8
9     scanf("%d", &n);
10
11    for(i = 0; i < n; i++)
12    {
13        for(j = 0; j < n; j++)
14        {
15            array[j][i] = i*n+j+1;
16        }
17    }
18
19    for(i = 0; i < n; i++)
20    {
21        for(j = 0; j < n; j++)
22        {
23            printf("%3d ", array[i][j]);
24        }
25        printf("\n");
26    }
27    return 0;
28 }
~
~
~
~
1,1 모두
```

ex6



The image shows two terminal windows. The top window displays the source code for a C program. The code includes `<stdio.h>`, defines a `main` function, and uses `scanf` to read an integer `n` and a string `string`. It then uses `printf` to output the values of `n` and `string`. The bottom window shows the execution of the program. It runs `./a.out`, which prompts for input. The user enters `5` and `string`. The program outputs `5` and `string`. The user then runs `./a.out < input.txt`, which also outputs `5` and `string`. Finally, the user runs `./a.out < input.txt > output.txt` to save the output to a file. The user then enters `vi lab5_6.c` to edit the source code.

```
sumash@localhost:~/test
1 #include <stdio.h>
2
3 int main()
4 {
5     int n;
6     char string[100];
7
8     scanf("%d", &n);
9     scanf("%s", string);
10
11    printf("%d\n", n);
12    printf("%s\n", string);
13
14    return 0;
15 }
16
~
~
~
~
1,1 모두

sumash@localhost:~/test
[sumash@localhost test]$ ./a.out
5
string
5
string
[sumash@localhost test]$ ./a.out < input.txt
5
string
[sumash@localhost test]$ ./a.out < input.txt > output.txt
[sumash@localhost test]$ vi lab5_6.c
[sumash@localhost test]$
```

