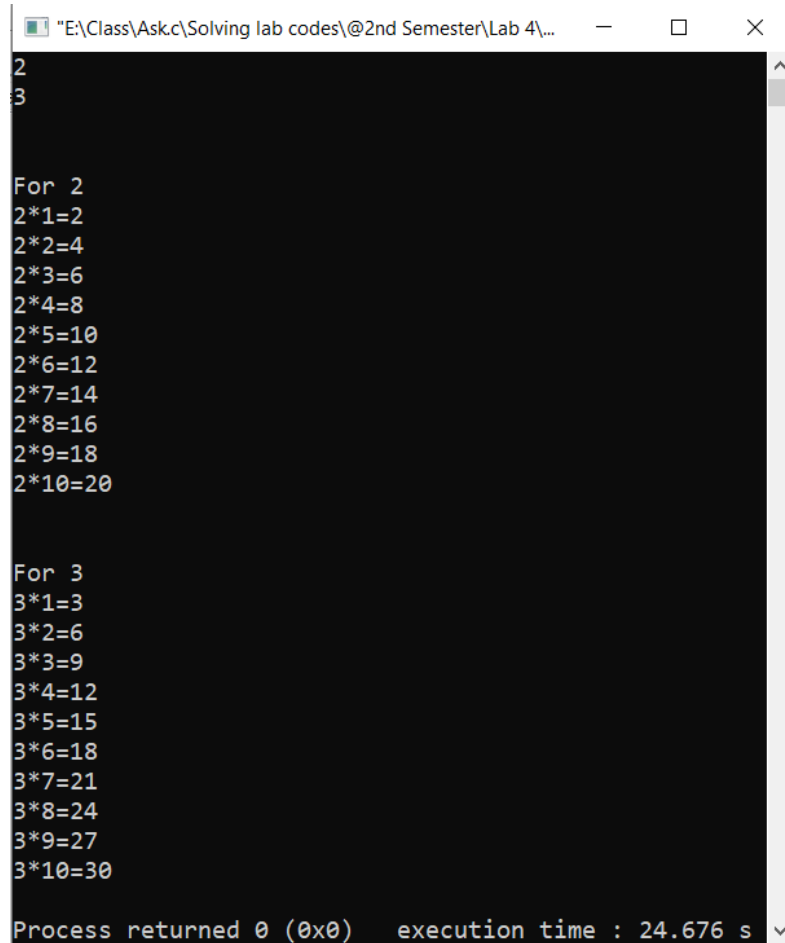


```

1  #include<stdio.h>
2  int main() {
3      int a, b;
4      scanf("%d%d", &a, &b);
5
6      for(int x=a; x<=b; x++) {
7          printf("\n\nFor %d\n", x);
8          for(int y=1; y<=10; y++) {
9              printf("%d*%d=%d\n", x, y, x*y);
10             }
11         }
12     return 0;
13 }
14

```



The screenshot shows a terminal window with the following output:

```

2
3

For 2
2*1=2
2*2=4
2*3=6
2*4=8
2*5=10
2*6=12
2*7=14
2*8=16
2*9=18
2*10=20

For 3
3*1=3
3*2=6
3*3=9
3*4=12
3*5=15
3*6=18
3*7=21
3*8=24
3*9=27
3*10=30

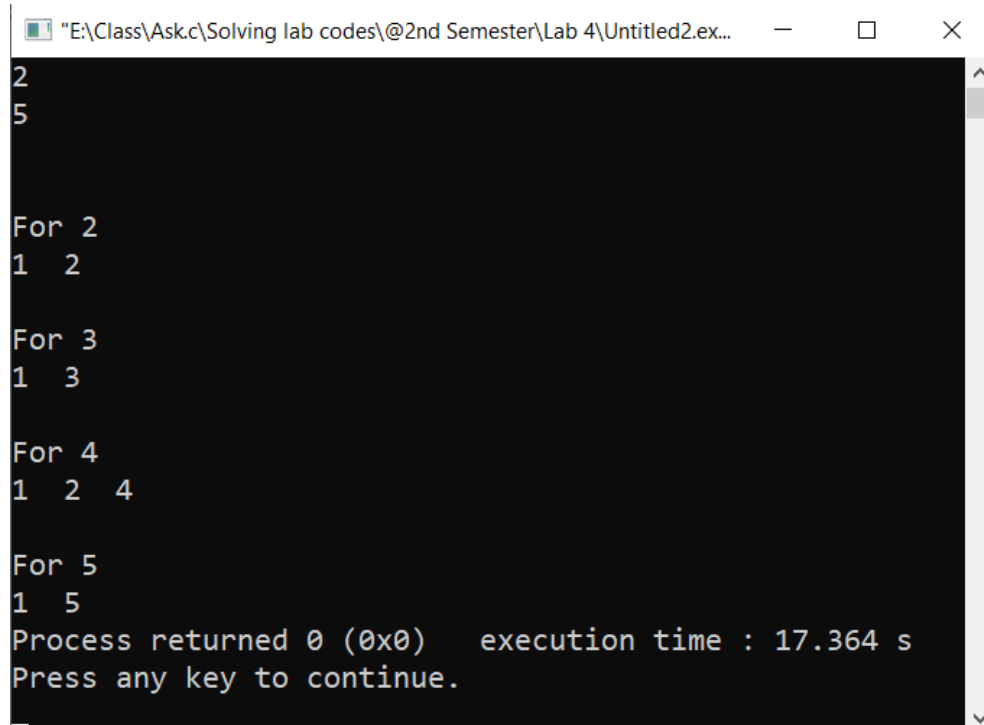
Process returned 0 (0x0)   execution time : 24.676 s

```

```

1  #include<stdio.h>
2  int main() {
3      int m, n;
4      scanf("%d%d", &m, &n);
5      for(int x=m; x<=n; x++) {
6          printf("\n\nFor %d\n", x);
7          for(int y=1; y<=x; y++) {
8              if(x%y==0) {
9                  printf("\n%d\n", y);
10             }
11         }
12     }
13 }
14

```



```

2
5

For 2
1 2

For 3
1 3

For 4
1 2 4

For 5
1 5
Process returned 0 (0x0)   execution time : 17.364 s
Press any key to continue.

```

```

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

```

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 4\Untitled3.exe"
3
6
3      5
Process returned 0 (0x0)    execution time : 4.856 s
Press any key to continue.

```

```

1  #include<stdio.h>
2  int main() {
3      int i, j, n;
4      scanf("%d", &n);
5
6      for(i=1; i<=n; i++) {
7          for(j=1; j<=i; j++) {
8              printf("* ");
9          }
10         printf("\n");
11     }
12 }
13

```

```

5
*
*  *
*  *  *
*  *  *  *
*  *  *  *  *

Process returned 0 (0x0)   execution time : 5.502 s
Press any key to continue.

```

```

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

```

```

E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 4\Untitled4.2.exe
5
    *
   **
  ***
 ****
*****

Process returned 0 (0x0)   execution time : 1.508 s
Press any key to continue.

```

```

1      #include<stdio.h>
2      int main() {
3          int i, j, n;
4          scanf("%d", &n);
5
6          for(i=1; i<=n; i++) {
7              for(j=n; j>=i; j--) {
8                  printf("* ");
9              }
10             printf("\n");
11         }
12     }
13

```

```

5
* * * * *
* * * *
* * *
* *
*

Process returned 0 (0x0)   execution time : 0.843 s
Press any key to continue.

```

```

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

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 4\Untitled4.4.exe" — □ ×

```

5
*****
 *****
  *****
   *****
    *****
     *****

Process returned 0 (0x0)   execution time : 1.347 s
Press any key to continue.

```

```

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

```

```

5
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

Process returned 0 (0x0)   execution time : 23.265 s
Press any key to continue.

```



```

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

```

```


5
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
Process returned 0 (0x0)   execution time : 1.465 s
Press any key to continue.

```

```

1  #include <stdio.h>
2
3  int main()
4  {
5      int n, s, i, j;
6      printf("Enter number of rows: ");
7      scanf("%d", &n);
8      for(i = 0; i <= n; i++) {
9          for(s = n; s > i; s--) {
10             printf(" ");
11         }
12         for(j=0; j<i; j++) {
13             printf("* ");
14         }
15
16         printf("\n");
17     }
18
19     return 0;
20 }

```



```

"E:\Class\Askc\Solving lab codes\@2nd Semester\Bri...
Enter number of rows: 15

      *
     * *
    * * *
   * * * *
  * * * * *
 * * * * * *
* * * * * * *
 * * * * * * *
  * * * * * * *
   * * * * * *
    * * * * * *
     * * * * *
      * * * *
       * * *
        * *
         *

Process returned 0 (0x0)   execution
time : 1.243 s
Press any key to continue.

```

```

1  #include<stdio.h>
2  int main()
3  {
4      int n, s, i, j;
5      printf("Enter number of rows: ");
6      int printf(const char*, ...)
7      for(i = 0; i <= n; i++){
8          for(s = 0; s < i; s++){
9              printf(" ");
10         }
11         for(j = n; j > i; j--){
12             printf("* ");
13         }
14         printf("\n");
15     }
16
17     return 0;
18 }
19

```

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semest...
Enter number of rows: 15
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
*

Process returned 0 (0x0)   execution
time : 38.664 s
Press any key to continue.

```



```

1  #include<stdio.h>
2  int main ()
3  {
4      int i,n,j=0,k;
5      scanf("%d",&n);
6      for(i=1;i<=n;i++){
7          j++;
8          printf("*");
9          if(j==5||j==10||j==15||j==20||j==25){
10             printf(" ");
11         }
12     }
13     printf("\n");
14     j=0;
15     for(i=1;i<=n;i++){
16         j++;
17         if(i==1||i==6||i==11||i==16||i==24){
18             printf("*");
19         }
20         else{
21             printf(" ");
22         }
23         if(j==5||j==10||j==15||j==20||j==25){
24             printf(" ");
25         }
26     }
27     printf("\n");
28     j=0;
29     for(i=1;i<=n;i++){
30         j++;
31         if(i==2||i==3||i==4||i==5||i==14||i==15||i==21||i==22||i==24||i==25){
32             printf(" ");
33         }
34         else{
35             printf("*");
36         }
37     }
38     if(j==5||j==10||j==15||j==20||j==25){
39         printf(" ");
40     }
41     printf("\n");
42     j=0;
43     for(i=1;i<=n;i++){
44         j++;
45         if(i==1||i==10||i==11||i==20||i==22){
46             printf("*");
47         }
48         else{
49             printf(" ");
50         }
51         if(j==5||j==10||j==15||j==20||j==25){
52             printf(" ");
53         }
54     }
55     printf("\n");
56     j=0;
57     for(i=1;i<=n;i++){
58         j++;
59         if(i==22||i==23||i==24||i==25){
60             printf(" ");
61         }
62         else{
63             printf("*");
64         }
65         if(j==5||j==10||j==15||j==20||j==25){
66             printf(" ");
67         }
68     }
69     return 0;
70 }
71

```

```

25
*****
*      *      *      *      *
*      *****      *      *
*      *      *      *      *
*****
Process returned 0 (0x0)   execution time : 1.581 s
Press any key to continue.

```