Write a 'C-Program' to print a Star Pyramid pattern using stars.

### **Source Code:**

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

```
"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Bri...
                                           X
                                      Enter number of rows: 15
Process returned 0 (0x0) execution
time : 1.243 s
Press any key to continue.
```

Write a 'C-Program' to print a Inverted Star Pyramid pattern using stars.

### **Source Code:**

```
#include<stdio.h>
 1
 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--) {
                   printf("* ");
12
13
               printf("\n");
14
15
          }
16
17
          return 0;
18
19
```

```
■ "E:\Class\Ask.c\Solving lab codes\@2nd Semest... —
                                   X
Enter number of rows: 15
Process returned 0 (0x0) execution
time : 38.664 s
Press any key to continue.
```

Write a 'C-Program' to print a Diamond pattern using stars.

### **Source Code:**

```
#include <stdio.h>
 1
 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++) {
               for(s = n; s > i; s--) {
9
                   printf(" ");
10
11
12
               for(j=0; j<i; j++){</pre>
                   printf("* ");
13
14
15
16
               printf("\n");
17
18
          for(i = 1; i <= n; i++) {
19
               for(s = 0; s < i; s++) {
20
                   printf(" ");
21
22
               for(j = n; j > i; j--){
                   printf("* ");
23
24
25
               printf("\n");
26
          }
27
```

```
\blacksquare \hspace{-0.07cm}\blacksquare "E:\Class\Ask.c\Solving lab cod... \hspace{0.4cm}-\hspace{0.4cm}\square\hspace{0.4cm} \times
Enter number of rows: 15
```

Write a 'C-Program' to print CSE and then your ID Number (Last Two digits) using star pattern.

#### **Source Code:**

```
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){
                        printf(" ");
10
11
12
               }
          printf("\n");
13
14
          j=0;
15
          for (i=1; i<=n; i++) {
16
               j++;
               if(i==1||i==6||i==11||i==16||i==24){
17
                   printf("*");
18
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++) {</pre>
30
                j++;
31
                if(i==2||i==3||i==4||i==5||i==14||i==15||i==21||i==22||i==24||i==25){
                    printf(" ");
32
33
34
                else{
35
                    printf("*");
36
37
                if(j==5||j==10||j==15||j==20||j==25){
38
                         printf(" ");
39
40
           printf("\n");
41
42
           j=0;
43
           for (i=1; i<=n; i++) {
44
                j++;
45
                if(i==1||i==10||i==11||i==20||i==22){
                    printf("*");
46
47
48
                else{
49
                    printf(" ");
50
51
              if(j==5||j==10||j==15||j==20||j==25){
                      printf(" ");
52
53
54
          printf("\n");
55
56
          j=0;
57
          for(i=1;i<=n;i++) {</pre>
58
59
              if(i==22||i==23||i==24||i==25){
                  printf(" ");
60
61
62
              else{
                  printf("*");
63
64
65
              if(j==5||j==10||j==15||j==20||j==25){
                      printf(" ");
66
67
68
              }
69
          return 0;
70
71
```