Draw Rectangle and Square

```c
#include <stdio.h>
int main()
{

    // draw rectangle and square
    int n, m;
    printf("Enter the input : ");
    scanf("%d", &n);
    printf("Enter the input : ");
    scanf("%d", &m);
    for (int i = 0; i < n; i++)
    {
        for (int j = 0; j < m; j++)
        {
            printf("* ");
        }
        printf("\n");
    }
}
```

Printing Star

```c
#include <stdio.h>

int main()

{

    int n;

    printf("Enter the input n : ");

    scanf("%d", &n);

    for (int i = 0; i < n; i++)

    {

        printf(" * ");

    }

}
```

Four Hollow square

```c
#include <stdio.h>

int main()
{
  int n;
  printf("Enter the value : ");
  scanf("%d", &n);
  for (int i = 1; i <= n; i++)
  {
    for (int j = 1; j <= n; j++)
    {
      if (i == 1 || i == n || j == 1 || j == n)
      {
        printf("*");
      }
      else
      {
        printf(" ");
      }
    }
    printf("\n");
  }
}
```

Hollowsuadigonal

```c
#include <stdio.h>

int main()
{
    int n;
    printf("Enter the number : ");
    scanf("%d", &n);
    for (int i = 1; i <= n; i++)
    {
        for (int j = 1; j <= n; j++)
        {
            if (i == 1 || i == n || j == 1 || j == n || i == j || (i + j) == n + 1)
            {
                printf("* ");
            }
            else
            {
                printf("  ");
            }
        }
        printf("\n");
    }
}
```

Triangle / Pyramid

```c
#include <stdio.h>
int main()
{
    int n, i, j, sp;
    printf("Input number of rows : ");
    scanf("%d", &n);
    for (i = 1; i <= n; i++)
    {
        for (sp = 1; sp <= n - i; sp++)
        {
            printf("  ");
        }
        for (j = 1; j <= 2 * i - 1; j++)
        {
            printf("* ");
        }
        printf("\n");
    }
    return 0;
}
```

```c
#include <stdio.h>

int main()
{
    int n, i, j, sp;
    printf("Enter the number of rows: ");
    scanf("%d", &n);
    for (i = n; i >= 1; i--)
    {
        for (sp = n; sp > i; sp--)
        {
            printf(" ");
        }
        for (j = 1; j <= 2 * i - 1; j++)
        {
            printf("* ");
        }
        printf("\n");
    }
}
```
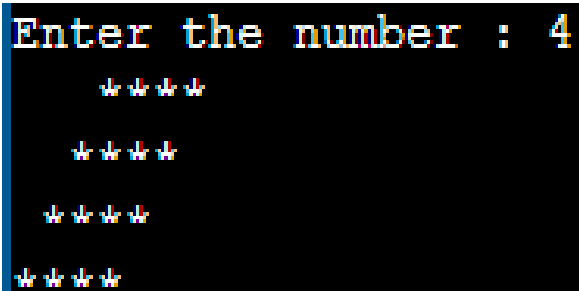
Output -:

Rhombus

```c
#include <stdio.h>
int main()
{
    int n;
    printf("Enter the number : ");
    scanf("%d", &n);
    for (int i = 1; i <= n; i++)
    {
        for (int sp = 1; sp <= n - i; sp++)
        {
            printf(" ");
        }
        for (int j = 1; j <= n; j++)
        {
            printf("*");
        }
        printf("\n");
    }
}
```

```
Enter the number : 4
   ****
  ****
 ****
****
```