```
1. Square Star Pattern:
                                                     2. Hollow Square star pattern:
#include<stdio.h>
                                                     #include<stdio.h>
int main()
                                                     int main()
{
                                                    {
  int i,j,n;
                                                       int i,j,n;
  printf("Input number of rows : ");
                                                       printf("Input number of rows : ");
  scanf("%d",&n);
                                                       scanf("%d",&n);
  for(i=1;i<=n;i++)
                                                       for(i=1;i<=n;i++)
                                                         for(j=1;j<=n;j++)
   for(j=1;j<=n;j++)
      printf("*");
                                                           if(i==1 | | i==n | | j==1 | | j==n)
                                                             printf("*");
    printf("\n\n");
 }
                                                           }
 return 0;
                                                           else
                                                           printf(" ");
                                                         printf("\n\n");
                                                       }
                                                      return 0;
3. Hollow Square star pattern with Diagonal
                                                     4. Rhombus Star pattern
#include<stdio.h>
                                                     #include<stdio.h>
int main()
                                                     int main()
  int i,j,n;
                                                       int i,j,k,n;
  printf("Input number of rows : ");
                                                       printf("Input number of rows : ");
  scanf("%d",&n);
                                                       scanf("%d",&n);
  for(i=1;i<=n;i++)
                                                       for(i=1;i<=n;i++)
    for(j=1;j<=n;j++)
                                                         for(j=1;j<=(n-i);j++)
                                                          printf(" ");
      if(i==1 || i==n || j==1 || j==n || j==i ||
j==(n-(i-1)))
                                                         for(k=1;k<=n;k++)
        printf("*");
                                                           printf("*");
      else
       printf(" ");
                                                         printf("\n\n");
    printf("\n\n");
                                                      return 0;
 return 0;
```

```
5. Hollow Rhombus Star Pattern:
                                                    6. Mirrored Rhombus Star pattern:
#include<stdio.h>
                                                    #include<stdio.h>
int main()
                                                    int main()
{
                                                    {
  int i,j,k,n;
                                                       int i,j,k,n;
  printf("Input number of rows : ");
                                                       printf("Input number of rows : ");
  scanf("%d",&n);
                                                       scanf("%d",&n);
  for(i=1;i<=n;i++)
                                                       for(i=1;i<=n;i++)
                                                       {
    for(j=1;j<=(n-i);j++)
                                                        for(j=1;j<i;j++)
     printf(" ");
                                                          printf(" ");
    for(k=1;k<=n;k++)
                                                        for(k=1;k<=n;k++)
      if(i==1 || i==n || k==1 || k==n)
                                                           printf("*");
      printf("*");
                                                        printf("\n\n");
      else
      printf(" ");
                                                     return 0;
    printf("\n\n");
 return 0;
7. Hollow Mirrored Rhombus Star Pattern:
                                                    8. Right Triangle Star Pattern:
#include<stdio.h>
                                                    #include<stdio.h>
                                                    int main()
int main()
  int i,j,k,n;
                                                       int i,j,n;
  printf("Input number of rows : ");
                                                       printf("Input number of rows : ");
  scanf("%d",&n);
                                                       scanf("%d",&n);
  for(i=1; i<=n; i++)
                                                       for(i=1; i<=n; i++)
    for(j=1; j<i; j++)
                                                         for(j=1;j<=i;j++)
      printf(" ");
                                                           printf("*");
                                                         printf("\n\n");
    for(k=1; k<=n; k++)
                                                       }
      if(i==1 || i==n || k==1 || k==n)
                                                       return 0;
         printf("*");
       else
         printf(" ");
    }
    printf("\n\n");
  return 0;
```

```
9. Hollow Right Triangle Star Pattern:
                                                     10. Mirrored Right Triangle Star Pattern:
#include<stdio.h>
                                                     #include<stdio.h>
int main()
                                                     int main()
  int i,j,n;
                                                       int i,j,k,n;
  printf("Input number of rows : ");
                                                        printf("Input number of rows : ");
  scanf("%d",&n);
                                                        scanf("%d",&n);
  for(i=1; i<=n; i++)
                                                       for(i=1; i<=n; i++)
    for(j=1;j<=i;j++)
                                                          for(j=1;j<=(n-i);j++)
       if(j==1 || j==i || i==n)
                                                            printf(" ");
       printf("*");
       else
                                                            for(k=1;k<=i;k++)
       printf(" ");
                                                               printf("*");
    printf("\n\n");
                                                          printf("\n\n");
  }
                                                       }
  return 0;
                                                       return 0;
}
                                                     }
11. Hollow Mirrored Right Triangle Star Pattern:
                                                     12. Inverted Right Triangle star Pattern:
#include<stdio.h>
                                                     #include<stdio.h>
int main()
                                                     int main()
                                                     {
  int i,j,k,n;
                                                       int i,j,n;
  printf("Input number of rows : ");
                                                        printf("Input number of rows : ");
  scanf("%d",&n);
                                                       scanf("%d",&n);
  for(i=1; i<=n; i++)
                                                       for(i=n; i>=1; i--)
    for(j=1;j<=(n-i);j++)
                                                          for(j=1; j<=i; j++)
      printf(" ");
                                                            printf("*");
      for(k=1;k<=i;k++)
                                                          printf("\n\n");
         if(i==n | | k==1 | | k==i)
                                                       return 0;
         printf("*");
         else printf(" ");
    printf("\n\n");
  }
  return 0;
```

```
13. Hollow Inverted Right Triangle star Pattern
                                                     14. Inverted Mirored Right Triangle Star Pattern:
#include<stdio.h>
                                                     #include<stdio.h>
int main()
                                                     int main()
  int i,j,n;
                                                       int i,j,k,n;
  printf("Input number of rows : ");
                                                        printf("Input number of rows : ");
  scanf("%d",&n);
                                                        scanf("%d",&n);
  for(i=n; i>=1; i--)
                                                       for(i=n; i>=1; i--)
    for(j=1; j<=i; j++)
                                                          for(j=1; j<=(n-i); j++)
       if(j==1 || j==i || i==n)
                                                            printf(" ");
       printf("*");
       else printf(" ");
                                                          for(k=1;k<=i;k++)
                                                            printf("*");
    printf("\n\n");
                                                          printf("\n\n");
  return 0;
                                                       }
                                                       return 0; }
                                                     16. Pyramid star pattern:
15. Hollow Inverted Mirored Right Triangle Star
                                                     #include<stdio.h>
Pattern:
#include<stdio.h>
                                                     int main()
int main()
                                                       int i,j,k,n;
  int i,j,k,n;
                                                        printf("Input number of rows : ");
  printf("Input number of rows : ");
                                                       scanf("%d",&n);
  scanf("%d",&n);
                                                       for(i=1; i<=n; i++)
  for(i=n; i>=1; i--)
                                                         for(j=1;j<=n-i;j++)
    for(j=1; j<=(n-i); j++)
                                                          printf(" ");
       printf(" ");
                                                         for(k=1;k<=(2*i-1);k++)
    for(k=1; k<=i; k++)
                                                            printf("*");
       if(k==1 | | k==i | | i==n)
         printf("*");
                                                         printf("\n\n");
       else
         printf(" ");
                                                       return 0;
    printf("\n\n");
  }
  return 0;
```

```
17. Hollow Pyramid star pattern:
                                                      18.Invarted Pyramid star pattern:
                                                      #include<stdio.h>
#include<stdio.h>
int main()
                                                      int main()
  int i,j,k,n;
                                                        int i,j,k,n;
  printf("Input number of rows : ");
                                                        printf("Input number of rows : ");
  scanf("%d",&n);
                                                        scanf("%d",&n);
  for(i=1; i<=n; i++)
                                                        for(i=n; i>=1; i--)
    for(j=1;j<=n-i;j++)
                                                         for(j=i;j< n;j++)
     printf(" ");
                                                           printf(" ");
    for(k=1;k<=(2*i-1);k++)
                                                         for(k=1;k<=(2*i-1);k++)
     if(i==n | | k==1 | | k==(2*i-1))
                                                           printf("*");
      printf("*");
      else printf(" ");
                                                         printf("\n\n");
    printf("\n\n");
                                                        return 0;
  return 0;
19. Hollow Invarted Pyramid star pattern:
                                                      20. Half Diamond Star Pattern:
#include<stdio.h>
                                                      #include<stdio.h>
int main()
                                                      int main()
  int i,j,k,n;
                                                        int i,j,n;
  printf("Input number of rows : ");
                                                        printf("Input number of rows : ");
  scanf("%d",&n);
                                                        scanf("%d",&n);
  for(i=n; i>=1; i--)
                                                        for(i=1;i<=n;i++)
  for(j=i;j<n;j++)
                                                           for(j=1;j<=i;j++)
     printf(" ");
                                                             printf("*");
                                                           printf("\n\n");
   for(k=1;k<=(2*i-1);k++)
     if(i==n \mid \mid k==1 \mid \mid k==(2*i-1))
                                                        for(i=(n-1);i>=1;i--)
     printf("*");
     else printf(" ");
                                                           for(j=1;j<=i;j++)
                                                             printf("*");
  printf("\n\n");
                                                           printf("\n\n");
  return 0;
                                                        return 0;
```

```
21. Mirrored Half Diamond star Pattern:
                                                           22. Diamond Star Pattern:
                                                           #include<stdio.h>
#include<stdio.h>
                                                          int main()
int main()
                                                          {
                                                             int i,j,n;
  int i,j,n;
                                                             printf("Input number of rows : ");
  printf("Input number of rows : ");
                                                             scanf("%d",&n);
  scanf("%d",&n);
                                                             for(i=1;i<=n;i++)
  for(i=1;i<=n;i++)
                                                               for(j=1;j<=n-i;j++)
   for(j=1;j<=n-i;j++)
    {printf(" ");}
                                                                 printf(" ");
   for(j=1;j<=i;j++)
   {printf("*");}
                                                               for(j=1;j<=(2*i-1);j++)
   printf("\n\n");
                                                                 printf("*");
  for(i=1;i<n;i++)
                                                               printf("\n\n");
    for(j=1;j<=i;j++)
                                                             for(i=1;i<=n-1;i++)
      printf(" ");
                                                               for(j=0;j<i;j++)
    for(j=1;j<=(n-i);j++)
                                                                 printf(" ");
      printf("*");
                                                               for(j=1;j<=(2*(n-1)-(2*i-1));j++)
    printf("\n\n");
                                                                 printf("*");
  return 0;
                                                               printf("\n\n");
                                                             return 0;
23. Hollow Diamond Star Pattern ::
                                                           24. Right Arrow Star
#include<stdio.h>
                                                           #include<stdio.h>
int main()
                                                          int main()
{
                                                          {
  int i,j,n;
                                                             int i,j,n;
  printf("input number of rows: ");
                                                             printf("input number of rows: ");
  scanf("%d",&n);
                                                             scanf("%d",&n);
  for(i=0;i<n;i++)
                                                             for(i=0;i<n;i++)
  {
                                                             {
    for(j=1;j<=(n-i);j++)
                                                              for(j=1;j<=i;j++)
      printf("*");
                                                                 printf(" ");
    for(j=1;j<=i;j++)
                                                              for(j=1;j<=n-i;j++)
       printf(" ");
                                                                 printf("*");
```

```
printf("\n\n");
    for(j=1;j<=n-i;j++)
       printf("*");
                                                              for(i=1;i<n;i++)
    printf("\n\n");
                                                                for(j=1;j<n-i;j++)
                                                                   printf(" ");
  for(i=1;i<=n;i++)
    for(j=1;j<=i;j++)
                                                                for(j=0;j<=i;j++)
       printf("*");
                                                                  printf("*");
                                                                printf("\n\n");
    for(j=1;j<=(n-i);j++)
                                                             }
       printf(" ");
                                                             return 0;
    for(j=1;j<=i;j++)
         printf("*");
       printf("\n\n");
 return 0;
25.Left Arrow star pattern::
#include<stdio.h>
int main()
 int i,j,n;
  printf("input number of rows: ");
                                                                  printf("*");
  scanf("%d",&n);
 for(i=1;i<=n;i++)
                                                                printf("\n\n");
                                                             }
    for(j=1;j<=n-i;j++)
                                                             return 0;
      printf(" ");
    for(j=1;j<=(n+1)-i;j++)
    {printf("*");}
    printf("\n\n");
 for(i=1;i<n;i++)
    for(j=1;j<=i;j++)
      printf(" ");
    for(j=0;j<=i;j++)
```

```
27.X-Star Pattern ::
26.Plus Star pattern:
#include<stdio.h>
                                                          #include<stdio.h>
int main()
{
                                                          int main()
  int i,j,n;
  printf("input number of rows: ");
                                                             int i,j,n,c;
  scanf("%d",&n);
                                                             printf("input number of rows: ");
 for(i=1;i<=n;i++)
                                                             scanf("%d",&n);
 { if(i!=n){
                                                             c=2*n-1;
   for(j=1;j<n;j++)
                                                             for(i=1;i<=c;i++)
     printf(" ");
                                                               for(j=1;j<=c;j++)
   printf("+");
                                                                 if(j==i | | (j==c-i+1))
   printf("\n\n");}
                                                                    printf("*");
   else
                                                                 else
                                                                    printf(" ");
    for(j=1;j<=(2*n-1);j++)
                                                               printf("\n\n");
     printf("+");
   printf("\n\n");
                                                            return 0;
 }
 for(i=1;i<n;i++)
  for(j=1;j<n;j++)
     printf(" ");
  printf("+");
  printf("\n\n");
 return 0;
28. Eight Star pattern:
#include<stdio.h>
                                           printf(" ");
int main()
                                                 else if(i==1||i==n||i==c||j==1||j==n)
                                                   printf("*");
  int i,j,n,c;
  printf("Input number of rows : ");
                                                 else
  scanf("%d",&n);
                                                   printf(" ");
  c=2*n-1;
                                              }
  for(i=1; i<=c; i++)
                                              printf("\n\n");
    for(j=1; j<=n; j++)
                                            return 0;
if((i==1\&\&j==1)||(i==1\&\&j==n)||(i=
=n\&\&j==1)||(i==n\&\&j==n)||(i==c\&\&
j==1)||(i==c&&j==n))
```

```
30. Heart Star Pattern With Name:
29. Heart Star Pattern:
                                          #include<stdio.h>
#include<stdio.h>
                                          #include<string.h>
int main()
                                          int main()
  int i,j,n,c;
                                            int i,j,n,c,l;
  printf("Input value of n : ");
                                             char word[50];
  scanf("%d",&n);
                                             printf("Input the word:");
  for(i=1;i<=(n/2);i+=2)
                                             gets(word);
                                             printf("Input value of n : ");
    for(j=1;j<(n/2-i);j+=2)
                                             scanf("%d",&n);
    {
                                            l=strlen(word);
       printf(" ");
                                            for(i=1;i<=(n/2);i+=2)
                                            {
    for(j=1;j<(n+(2*i-1));j+=2)
                                               for(j=1;j<(n/2-i);j+=2)
                                                 printf(" ");
    {
      printf("*");
                                               for(j=1;j<(n+(2*i-1));j+=2)
    for(j=1;j<=(n-(2*i-1));j+=2)
                                                 printf("*");
       printf(" ");
    for(j=1;j<(n+(2*i-1));j+=2)
                                               for(j=1;j<=(n-(2*i-1));j+=2)
       printf("*");
                                                 printf(" ");
    printf("\n");
                                               for(j=1;j<(n+(2*i-1));j+=2)
  for(i=1;i<=n;i++)
                                                 printf("*");
                                               printf("\n");
    for(j=1;j<i;j++)
       printf(" ");
    for(j=1;j<=(2*n-(2*i-1));j++)
                                            for(i=1;i<=n;i++)
                                             { for(j=1;j<i;j++)
                                               { printf(" "); }
       printf("*");
                                               if(i==1)
    printf("\n");
                                               { for(j=1;j<(2*n-l)/2;j++)
                                                 {printf("*");}
  }
  return 0;
                                                 printf("%s",word);
                                                 for(j=1;j<=(2*n-l)/2;j++)
                                                 {printf("*"); } }
                                               for(j=1;j<=(2*n-(2*i-1));j++)
                                               {
                                                 printf("*");
                                               }
                                               printf("\n");
                                            return 0;
```