```
20.
                               21.
                                                                 22.
#include<stdio.h>
                               #include<stdio.h>
                                                                 #include<stdio.h>
int main()
                               int main()
                                                                 int main()
{
                               {
                                                                 {
  int i,j,n;
                                 int i,j,n;
                                                                   int i,j,n;
                                                                   printf("Input number of rows : ");
  printf("Input number of
                                  printf("Input number of
                                                                   scanf("%d",&n);
rows:");
                               rows:");
  scanf("%d",&n);
                                  scanf("%d",&n);
                                                                   for(i=1;i<=n;i++)
  for(i=1;i<=n;i++)
                                  for(i=n;i>=1;i--)
                                                                     for(j=n;j>=i;j--)
    for(j=1;j<=i;j++)
                                    for(j=1;j<=i;j++)
                                                                       printf("%d",i);
      printf("%d",i);
                                      printf("%d",i);
                                                                     printf("\n");
                                   printf("\n");
    printf("\n");
                                                                   return 0;
  return 0;
                                  return 0;
                                                                 }
23.
                               24.
                                                                 25.
#include<stdio.h>
                               #include<stdio.h>
                                                                 #include<stdio.h>
int main()
                               int main()
                                                                 int main()
                               {
                                                                 {
  int i,j,n;
                                 int i,j,n;
                                                                   int i,j,n;
  printf("Input number of
                                  printf("Input number of
                                                                   printf("Input number of rows : ");
                                                                   scanf("%d",&n);
rows:");
                               rows:");
  scanf("%d",&n);
                                 scanf("%d",&n);
                                                                   for(i=n;i>=1;i--)
  for(i=n;i>=1;i--)
                                 for(i=1;i<=n;i++)
                                                                     for(j=1;j<=i;j++)
    for(j=i;j<=n;j++)
                                    for(j=1;j<=i;j++)
                                                                       printf("%d",j);
      printf("%d",i);
                                      printf("%d",j);
                                                                     printf("\n");
    printf("\n");
                                    printf("\n");
                                                                   return 0;
                                  return 0;
                                                                 }
  return 0;
#include<stdio.h>
int main()
 int i,j,n;
  printf("Input number of
rows:");
  scanf("%d",&n);
  for(i=1;i<=n;i++)
    for(j=i;j>=1;j--)
      printf("%d",j);
                                  return 0;
```

```
printf("\n");
27.
                                28.
                               #include<stdio.h>
                                                                 #include<stdio.h>
#include<stdio.h>
int main()
                               int main()
                                                                 int main()
 int i,j,n;
                                                                   int i,j,n;
                                 int i,j,n;
  printf("Input number of
                                  printf("Input number of
                                                                   printf("Input number of rows : ");
                                                                   scanf("%d",&n);
rows: ");
                               rows:");
  scanf("%d",&n);
                                 scanf("%d",&n);
                                                                   for(i=1;i<=n;i++)
  for(i=n;i>=1;i--)
                                 for(i=n;i>=1;i--)
                                                                     for(j=n;j>=i;j--)
    for(j=i;j>=1;j--)
                                    for(j=n;j>=i;j--)
                                                                       printf("%d",j);
      printf("%d",j);
                                      printf("%d",j);
                                                                     printf("\n");
    printf("\n");
                                   printf("\n");
                                                                   return 0;
                                                                 }
  return 0;
                                  return 0;
                                                                 32.
#include<stdio.h>
                               #include<stdio.h>
                                                                 #include<stdio.h>
int main()
                               int main()
                                                                 int main()
                               {
                                                                 {
  int i,j,n;
                                  int i,j,n;
                                                                   int i,j,n,k;
  printf("Input number of
                                  printf("Input number of
                                                                   printf("Input number of rows : ");
rows:");
                               rows:");
                                                                   scanf("%d",&n);
  scanf("%d",&n);
                                 scanf("%d",&n);
                                                                   for(i=1;i<=n;i++)
  for(i=n;i>=1;i--)
                                 for(i=1;i<=n;i++)
                                                                   { k=i;
  {
                                                                     for(j=1;j<=i;j++)
    for(j=i;j<=n;j++)
                                    for(j=i;j<=n;j++)
                                                                       printf("%d",k);
      printf("%d",j);
                                      printf("%d",j);
                                                                       k++;
    printf("\n");
                                   printf("\n");
                                                                     printf("\n");
                                 }
  return 0;
                                  return 0;
                                                                   return 0;
```

```
33.
                                                    34.
#include<stdio.h>
                                                    #include<stdio.h>
int main()
                                                    int main()
{
                                                    {
  int i,j,n,k;
                                                      int i,j,n,k;
  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++)
  { k=i;
                                                      { k=(2*i-1);
    for(j=1;j<=i;j++)
                                                        for(j=n;j>=i;j--)
      printf("%d",k);
                                                          printf("%d",k);
      k++;
                                                          k+=2;
                                                        }
    printf("\n");
                                                        printf("\n");
  return 0;
                                                      return 0;
```