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1. pattern

Art something is called pattern in programming.

Make a program that will show given bellow:

```
****
    ****
    ****
    ****
#include<stdio.h>
void main()
{
  int i,j;
  for(i=0;i<5;i++) /* outer loop */
  {
     for(j=0;j<5;j++) /* inner loop*/
     {
       printf("*");
     printf("\n");
  }
}
```

Make a program that will print given bellow:
 Enter last finishing number: 5

```
* * * *
    * * *
    *
#include<stdio.h>
int main()
{
  int i,j,sum=0,n;
  printf("Enter last finishing number: ");
  scanf("%d",&n);
  for(i=n;i>=1;i--){
     for(j=1;j<=i;j++){
       printf("* ");
     }
     printf("\n");
  }
  return 0;
}
```

```
* * * * *

* * * *

* * *

*
```

```
#include<stdio.h>
int main()
{
 int i,j,n;
 printf("Enter total line:");
 scanf("%d",&n);
 for(i=1;i<=n;i++){}
 for(j=1;j<=i+i;j++){}
  printf(" ");
 for(j=1;j<=n;j++){
 printf("* ");
  printf("\n");
 }
 return 0;
}
```

```
or,
#include<stdio.h>
int main()
{
 int i,j,sum=0,n,k;
 printf("Enter total line:");
 scanf("%d",&n);
 for(i=n,k=0;i>=1;i--,k=k+2){
 for(j=1;j<=k;j++){
  printf(" ");
 for(j=i;j>=1;j--){
 printf("* ");
 printf("\n");
 }
 return 0;
```

}

```
* * * * *
   * * * *
  * * *
*
#include<stdio.h>
int main()
{
 int i,j,sum=0,n,k;
 printf("Enter total line:");
 scanf("%d",&n);
 for(i=n,k=1;i>=1;i--,k++){}
 for(j=1;j<=(i-1)*2;j++){
  printf(" ");
 for(j=i;j>=1;j--){
  printf("* ");
  }
 printf("\n");
 return 0;
}
```

Make a program that will print given bellow:
 Enter last finishing number: 5

```
* *
    * * *
    * * * *
    * * * * *
#include<stdio.h>
int main()
{
 int i,j,sum=0,n;
 printf("Enter last finishing number: ");
 scanf("%d",&n);
 for(i=1;i<=n;i++){
  for(j=1;j<=i;j++){
   printf("* ");
  printf("\n");
 return 0;
}
```

Make a program that will print given bellow:
 Enter last finishing number: 5

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

```
or,
#include<stdio.h>
int main()
{
 int i,j,sum=0,n,k;
 printf("Enter total line:");
 scanf("%d",&n);
 for(i=n,k=1;i>=1;i--,k++){}
 for(j=1;j<=(i-1)*2;j++){
  printf(" ");
 for(j=1;j<=k;j++){
 printf("* ");
 printf("\n");
 return 0;
}
```

```
***
    ****
   *****
  *****
 *****
*****
#include<stdio.h>
int main()
{
 int i,j,sum=0,n,k,p;
 printf("Enter total line : ");
 scanf("%d",&n);
 for(i=1;i<=n;i++){}
 for(j=i;j<n;j++){
  printf(" ");
 for(j=1;j<=i+(i-1);j++){
 printf("*");
 printf("\n");
 p=k;
 return 0;
}
```

```
or,
#include<stdio.h>
int main()
{
  int i,j,sum=0,n,k;
  printf("Enter total line:");
  scanf("%d",&n);
  for(i=n,k=1;i>=1;i--,k=k+2){
   for(j=1;j<i;j++){
     printf(" ");
   for(j=1;j<=k;j++){
   printf("*");
   printf("\n");
  }
  return 0;
```

}

```
*****
    *****
     *****
      *****
       ****
         ***
          *
#include<stdio.h>
int main()
{
 int i,j,sum=0,n,k,p;
 printf("Enter total line : ");
 scanf("%d",&n);
 for(i=n;i>=1;i--){
 for(j=1;j<=n-i;j++){}
  printf(" ");
 for(j=1;j<=i+(i-1);j++){
 printf("*");
 printf("\n");
 return 0;
}
```

```
#include<stdio.h>
int main()
{
  int i,j,n;
  printf("Enter total line : ");
  scanf("%d",&n);
  for(i=n;i>=1;i--){
   for(j=1;j<i;j++){
     printf(" ");
   for(j=i;j<=n;j++){
    printf("* ");
    printf("\n");
  }
  return 0;
}
```

```
or,
#include<stdio.h>
int main()
{
  int i,j,n,k;
  printf("Enter total line:");
  scanf("%d",&n);
  for(i=n,k=1;i>=1;i--,k=(k+2)-1){
    for(j=1;j<i;j++){
     printf(" ");
    for(j=1;j<=k;j++){
    printf("* ");
    printf("\n");
  }
  return 0;
}
```

```
* * * * *
* * * *
* * *
*
```

```
#include<stdio.h>
int main()
{
  int i,j,n;
  printf("Enter total line : ");
  scanf("%d",&n);
  for(i=n;i>=1;i--){
   for(j=1;j<=n-i;j++){}
     printf(" ");
   for(j=1;j<=i;j++){
    printf("* ");
    }
    printf("\n");
  }
  return 0;
}
```

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

```
for(i=n-1;i>=1;i--){
    for(j=1;j<=n-i;j++){
        printf(" ");
    }
    for(j=1;j<=i;j++){
        printf("* ");
    }
    printf("\n");
    }
    return 0;</pre>
```

}

```
or,
#include<stdio.h>
int main()
{
 int i,j,n;
 printf("Enter total line:");
 scanf("%d",&n);
 for(i=n;i>=1;i--){
  for(j=1;j<i;j++){
  printf(" ");
 for(j=i;j\leq n;j++){
  printf("* ");
 }
  printf("\n");
 }
 for(i=n-1;i>=1;i--){
  for(j=1;j<=n-i;j++){
  printf(" ");
 }
 for(j=1;j<=i;j++){
  printf("* ");
 }
  printf("\n");
 return 0;
}
```

```
or,
#include<stdio.h>
int main()
{
  int i,j,n;
  printf("Enter the number do you want:");
  scanf("%d",&n);
  for(i=1;i<=n;i++){
     for(j=1;j<=n-i;j++){}
        printf(" ");
  for(j=1;j<=i;j++){
  printf("* ");
  printf("\n");
  for(i=n-1;i>=1;i--){
  for(j=1;j<=n-i;j++)
  {
  printf(" ");
  }
  for(j=1;j<=i;j++){
  printf("* ");
  printf("\n");
  return 0;
}
```

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

```
for(i=n-1;i>=1;i--){
    for(j=1;j<=n-i;j++){}
     printf(" ");
   for(j=1;j<=i+(i-1);j++){
    printf("*");
    }
    printf("\n");
  }
  return 0;
}
or,
#include<stdio.h>
int main()
{
  int i,j,n,k;
  printf("Input:");
  scanf("%d",&n);
  char a[2*n-1][2*n-1];
  char c=' ',b='*';
  for(i=0;i<2*n-1;i++){
    for(j=0;j<2*n-1;j++){
        if(j>=(n-1)-i \&\& j<=(n-1)+i \&\& i<n \mid \mid j>=i-(n-1)
&& i<=3*(n-1)-i && i>n-1){
        a[i][j]=b;
        }
        else
        a[i][j]=c;
```

```
* * * * *
     * * * * *
      * * * * *
       * * * * *
        * * * * *
#include<stdio.h>
int main()
{
 int i,j,n;
 printf("Enter total line:");
 scanf("%d",&n);
 for(i=1;i<=n;i++){
 for(j=1;j<=i+i;j++){}
  printf(" ");
 for(j=1;j<=n;j++){
  printf("* ");
  printf("\n");
 }
 return 0;
```

 Make a program that will print given bellow: Input: 5

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

```
for(j=1;j<=i;j++){
    printf("*");
    }
    printf("\n");
    }
    return 0;
}</pre>
```

 Make a program that will print given bellow: Input: 5

\$ @ @ @ @ # \$ @ @ @ # # \$ @ @ # # # \$ @ # # # \$ @

```
#include<stdio.h>
int main()
{
  int i,j,n;
  printf("Input:");
  scanf("%d",&n);
  char a[n][n];
  char c='$',b='@',d='#';
  for(i=0;i<n;i++){
    for(j=0;j< n;j++){
     if(i==i){
        a[i][j]=c;
     }
     if(i < j){
        a[i][j]=b;
     }
     if(i>j){}
        a[i][j]=d;
     }
    }
  for(i=0;i<n;i++){
```

```
for(j=0;j< n;j++){
     printf("%c ",a[i][j]);
   }
   printf("\n");
  }
  return 0;
}

    Make a program that will print given bellow:

   Input:5
     0000
        @ @ @
   #
           @ @
   # #
   # # #
               @
   # # # #
#include<stdio.h>
int main()
{
  int i,j,n;
  printf("Input:");
  scanf("%d",&n);
  char a[n][n];
  char c=' ',b='@',d='#';
  for(i=0;i<n;i++){
   for(j=0;j< n;j++){
     if(i==i){
       a[i][j]=c;
     }
```

 $if(i < j){$

 Make a program that will print given bellow: Input: 5

####

```
#include<stdio.h>
int main()
{
                    int i,j,n,k;
                    printf("Input:");
                    scanf("%d",&n);
                    char a[2*n-1][2*n-1];
                    char c='#',b=' ';
                    for(i=0;i<2*n-1;i++){
                             for(j=0;j<2*n-1;j++){
                                                              if(j>=(n-1)-i \&\& j<=(n-1)+i \&\& i<n \mid \mid j>=i-(n-1)+i \&\& i<n \mid j>=
 1) && i<=3*(n-1)-i && i>n-1){
                                                              a[i][j]=b;
                                                              }
                                                              else
                                                              a[i][j]=c;
                                         }
                             for(i=0;i<2*n-1;i++){
                             for(i=0;i<2*n-1;j++){
                                         printf("%c ",a[i][j]);
                               }
                               printf("\n");
                    }
                    return 0;
}
```

```
*
               ***
     ***
    ****
             ****
   *****
   ******
   ******
    ****
     ***
               ***
      *
                *
#include<stdio.h>
int main()
{
  int i,j,n,k,l;
  printf("Enter total line : ");
  scanf("%d",&n);
  for(i=1,k=2*n-1;i<=n;i++,k=k-2)
   for(j=i;j<n;j++){
    printf(" ");
   }
   for(j=1;j<=2*i-1;j++){
   printf("*");
   for(j=1;j< k;j++){
    printf(" ");
   }
   for(j=1;j<=2*i-1;j++){
   printf("*");
```

```
}
    printf("\n");
  }
  for(i=n-1,k=2;i>=1;k++,i--){
    for(j=1;j<=n-i;j++){}
     printf(" ");
    }
    for(j=1;j<=2*i-1;j++){
    printf("*");
    l=2*k-1;
    for(j=1;j<l;j++){
     printf(" ");
    }
    for(j=1;j<=2*i-1;j++){
    printf("*");
    printf("\n");
  }
  return 0;
}
```

```
*
     ***
               ***
    ****
              ****
   *****
             *****
   *******
   *****
    ****
     ***
                ***
      *
                 *
#include<stdio.h>
int main()
{
  int i,j,n,k,l;
  printf("Enter total line : ");
  scanf("%d",&n);
  for(i=1,k=2*n;i<=n;i++,k=k-2)
   for(j=i;j<n;j++){
    printf(" ");
   }
   for(j=1;j<=2*i-1;j++){
   printf("*");
   for(j=1;j< k;j++){
    printf(" ");
   for(j=1;j<=2*i-1;j++){
```

```
printf("*");
 }
 printf("\n");
}
for(i=n-1,k=2;i>=1;k++,i--){
 for(j=1;j<=n-i;j++){
  printf(" ");
 }
 for(j=1;j<=2*i-1;j++){
 printf("*");
 l=2*k-1;
 for(j=1;j<=l;j++){
  printf(" ");
 }
 for(j=1;j<=2*i-1;j++){
 printf("*");
 printf("\n");
```

}

}

return 0;

```
*
       ***
                      ***
      ****
                     ****
     *****
                    *****
    *****
                   *****
   ********
  ********
#include<stdio.h>
int main()
{
  int i,j,n,k,l;
  printf("Enter total line : ");
  scanf("%d",&n);
  for(i=1,k=2*n;i<=n;i++,k=k-2)
   for(j=i;j<n;j++){
    printf(" ");
   }
   for(j=1;j\leq 2*i-1;j++){
   printf("*");
   for(j=1;j< k;j++){
    printf(" ");
   }
   for(j=1;j<=2*i-1;j++){
   printf("*");
   printf("\n");
  }
  return 0;
}
```

 Make a program that will print given bellow: Input: 5

```
***
          ***
   *****
    *** ***
     *
           *
#include<stdio.h>
int main()
{
  int i,j,n,k,l;
  printf("Input: ");
  scanf("%d",&n);
  n=n-2;
  for(i=1,k=2*n-1;i<=n;i++,k=k-2){
   for(j=i;j< n;j++){
     printf(" ");
   for(j=1;j<=2*i-1;j++){
   printf("*");
   }
   for(j=1;j< k;j++){
     printf(" ");
   for(j=1;j<=2*i-1;j++){
   printf("*");
   printf("\n");
  }
```

```
for(i=n-1,k=2;i>=1;k++,i--){
   for(j=1;j<=n-i;j++){
    printf(" ");
   for(j=1;j<=2*i-1;j++){
   printf("*");
   }
   I=2*k-1;
   for(j=1;j<l;j++){
    printf(" ");
   for(j=1;j\leq 2*i-1;j++){
   printf("*");
   printf("\n");
  }
  return 0;
```

 Make a program that will print given bellow: Enter input: 5

```
@@@@@
     @@@
        @
      @@@
    @@@@@
#include<stdio.h>
int main()
{
 int n,i,j,k;
 printf("Enter input : ");
 scanf("%d",&n);
 while(n\%2==0){
  printf("Incorrect input. Plese, give odd number
: ");
  scanf("%d",&n);
 char x[n][n];
 char a='?',b='@',c=' ';
 for(i=0,k=n-1;i< n;i++,k--)
  for(j=0;j< n;j++){
   if(i \le i \&\& k \ge j \mid | i \ge j \&\& k \le j){
     x[i][j]=b;
   else
   x[i][j]=c;
  }
```

```
for(i=0,k=n-1;i<n;i++,k--){
  for(j=0;j<n;j++){
    printf("%c",x[i][j]);
  }
  printf("\n");
}</pre>
```

 Make a program that will print given bellow: Enter input: 5

```
@ @ @ @ @ @ @ @ include<stdio.h>
```

```
#include<stdio.h>
int main()
{
 int n,i,j,k;
 printf("Enter input : ");
 scanf("%d",&n);
 while(n%2==0){
  printf("Incorrect input. Plese, give odd number
: ");
  scanf("%d",&n);
 }
 char x[n][n];
 char a='?',b='@',c=' ';
 for(i=0,k=n-1;i< n;i++,k--){
  for(i=0;i< n;i++){}
    if(i==j \&\& i!=k \mid \mid k==j \&\& i!=k){
     x[i][j]=b;
    else if(i==j \&\& i==k){
     x[i][j]=a;
    }
```

```
else
    x[i][j]=c;
}
for(i=0,k=n-1;i<n;i++,k--){
    for(j=0;j<n;j++){
        printf("%c",x[i][j]);
    }
    printf("\n");
}</pre>
```

@

@

@

@

Make a program that will print given bellow:
 Enter input: 8
 Incorrect input. Plese, give odd number: 7

```
#include<stdio.h>
int main()
{
 int n,i,j,k;
 printf("Enter input:");
 scanf("%d",&n);
 while(n%2==0){
  printf("Incorrect input. Plese, give odd number
: ");
  scanf("%d",&n);
 char x[n][n];
 char a='?',b='@',c=' ';
 for(i=0,k=n-1;i< n;i++,k--){
  for(j=0;j< n;j++){
    if(i==| | | k==|){
     x[i][j]=b;
    }
    else
   x[i][j]=c;
  }
 }
 for(i=0,k=n-1;i< n;i++,k--){}
  for(j=0;j< n;j++){
    printf("%c",x[i][j]);
  }
  printf("\n");
 }
}
```

```
Enter input:5
   #
                 &
   &&
                ##
   ###
              &&&
   &&&&
             ####
   #####&&&&&&
#include<stdio.h>
int main()
{
 int n,i,j,k;
 printf("Enter input:");
 scanf("%d",&n);
 char x[n][2*n];
 char a='&',b='#',c='#',d=' ';
 for(i=0,k=2*n-1;i<n;i++,k--)
  for(j=0;j<2*n;j++){
   if(i < j \&\& k > j){
     x[i][i]=d;
   }
   else if(j<n && (i%2!=0)){
     x[i][j]=a;
   }
    else if(j \ge n && (i\%2 = = 0)){
     x[i][j]=a;
   }
   else
   x[i][i]=c;
  }
 }
```

```
for(i=0,k=2*n-1;i<n;i++,k--){
  for(j=0;j<2*n;j++){
    printf("%c",x[i][j]);
  }
  printf("\n");
  }
}</pre>
```

```
//Number 7 :
#include<stdio.h>
int main()
{
 int n,i,j,k;
 scanf("%d",&n);
 while(n%2==0){
  printf("Incorrect input. Plese, give odd number:
");
  scanf("%d",&n);
 char x[n][n];
 char a='@',b=' ';
 for(i=0,k=n-1;i< n;i++,k--)
  for(j=0;j< n;j++){
    if(i==(n-1)/2 \&\& j==((n-1)/2)-1 \mid | i==(n-1)/2 \&\&
j==((n-1)/2)+1 \mid j==((n-1)/2)-1 \&\& j==(n-1)/2 \mid j==
((n-1)/2)+1 \&\& j==(n-1)/2)
    x[i][j]=b;
    else
    x[i][i]=a;
  }
 }
 for(i=0,k=n-1;i< n;i++,k--){}
  for(j=0;j< n;j++){
    printf("%c ",x[i][j]);
  }
  printf("\n");
 }
}
```

```
****
              ****
    *****
   ******
  ******
    *****
     *****
      *****
       *****
        *****
         ****
          ***
           *
#include<stdio.h>
int main()
{
 int i,j,k,l,n=10;
 char a[12][33],h='*',b=' ':
 for(i=0;i<12;i++){
  for(j=0;j<17;j++)
    if(i<3 \&\& j>=(n-8)-i \&\& j<=(n-5)+i){
     a[i][j]=h;
    }
    else if(i<3 && j>=(n+1)-i && j<=(n+4)+i){
     a[i][i]=h;
    }
    else if(i>2 && j>=i-3 && j<=19-i){
     a[i][i]=h;
    }
    else
    a[i][j]=b;
```

```
}
}
for(i=0;i<12;i++){
  for(j=0;j<17;j++){
    printf("%c",a[i][j]);
  }
  printf("\n");
}
return 0;
}</pre>
```

```
#include<stdio.h>
int main()
{
 int i,j,k,l,n=10;
 char a[12][33],h='*',b=' ';
 for(i=0;i<12;i++){
  for(j=0;j<17;j++){
     if(i<3 \&\& j>=(n-8)-i \&\& j<=(n-5)+i){
      a[i][j]=h;
     }
     else if(i<3 && j>=(n+1)-i && j<=(n+4)+i){
      a[i][j]=h;
     }
     else if(i>2 && j>=i-3 && j<=19-i){
      a[i][j]=h;
     }
     else
     a[i][j]=b;
```

```
}
}
for(i=0;i<12;i++){
  for(j=0;j<17;j++){
    printf("%c ",a[i][j]);
  }
  printf("\n");
}
return 0;
}</pre>
```

```
*****
                 *****
 *****
               *****
*********
*********
********
  ********
   ******
     ******
      *****
        *****
          *****
            ***
#include<stdio.h>
int main()
int i,j,k,n=10,d;
char love[13][31],c='*',b=' ';
for(i=0,k=0;i<13;i++,k=k+2){}
if(i==5){
 k=k-1:
for(j=0;j<31;j++){
 if(i<3 \&\& ((i>=(n-7)-k \&\& i<=(n-1)+k) | | (i>=
(2*n+1)-k \&\& j <= (2*n+7)+k))){
  love[i][i]=c;
 else if(i>2 && (j>=k-7 && j<=37-k) || (i==12 &&
i==15)
  love[i][j]=c;
```

```
}
else
love[i][j]=b;
}
}
for(i=0;i<13;i++){}
for(j=0;j<31;j++){
printf("%c",love[i][j]);
}
printf("\n");
}
return 0;
}
or,
#include<stdio.h>
int main()
{
 int i,j,k,n=10;
 for(i=0,k=0;i<13;i++,k=k+2){
  if(i==5){
    k=k-1:
  }
  for(j=0;j<31;j++){
     if(i<3 \&\& ((j>=(n-7)-k \&\& j<=(n-1)+k) | | (j>=
(2*n+1)-k &  i <= (2*n+7)+k))){
      printf("*");
     else if(i>2 && (j>=k-7 && j<=37-k) || (i==12
\&\& j==15)
      printf("*");
     }
```

```
else
     printf(" ");
  }
  printf("\n");
 return 0;
}
or,
#include<stdio.h>
int main()
{
 int i,j,k;
 for(i=0,k=0;i<13;i++,k=k+2){
  if(i==5){
    k=k-1;
  }
  for(j=0;j<31;j++){
     if(i<3 \&\& ((j>=3-k \&\& j<=9+k) | | (j>=21-k \&\&
i <= 27+k))){
       printf("v");
     else if(i>2 && (j>=k-7 && j<=37-k) | | (i==12 &&
i==15)
       printf("v");
     }
     else
     printf(" ");
  }
  printf("\n");
 }
 return 0;
```

 Make a program that will print given bellow: Enter your crash name: Hrdz
 Enter your name: Hamim
 Enter your favourite letter/digit:.

| ***** | ••••• | **** | |
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| ***** | ••••• | **** | |
| *** | | | |
| **** | ••••• | *** | **** |
| **** | ••••• | **** | *** |
| **** | Hrdz | **** | |
| *** | | | |
| **** | + | **** | |
| *** | | | |
| **** | Hamim | **** | |
| *** | | | |
| **** | ••••• | **** | **** |
| **** | *********** | **** | **** |
| **** | ••••• | *** | **** |
| **** | ••••• | **** | **** |
| ***** | ••• | | |
| ***** | **** | | |
| ***** | | | |
| ***** | · :**** | | |

```
#include<stdio.h>
#include<string.h>
int main()
{
 int i,j,k,n=10,d,z;
 char Love[13][31],I U[13]
[31], star='*', special character, blank='
',Lover name[20],Your name[20];
 printf("Enter your crush name : ");
 gets(Lover name);
 printf("Enter your name: ");
 gets(Your name);
 printf("Enter your special letter/digit : ");
 scanf("%c",&special character);
 printf("\n\n");
 int s,l,c,p,m,g;
 s=strlen(Lover name);
 l=strlen(Your name);
 c=15-(s/2);
 p=c+s;
 m=15-(1/2);
 g=m+l;
 for(i=0,k=0;i<13;i++,k=k+2){
   if(i==5){
    k=k-1;
   for(j=0;j<31;j++){
     if(i==4 \&\& j>=c \&\& j<p){
       Love[i][c-1]=blank;
       for(d=0,j=c; Lover name[d]!='\0';d++,j++){
         Love[i][j]=Lover name[d];
```

```
if(Lover name[d+1]=='\0'){
           Love[i][j+1]=blank;
         }
       }
     }
     else if(i==6 \&\& j>=m \&\& j< g){
       Love[i][m-1]=blank;
       for(d=0,j=m; Your name[d]!='\0';d++,j++){
         Love[i][j]=Your name[d];
         if(Lover name[d+1]=='\0'){
           Love[i][j+1]=blank;
         }
       else
         Love[i][j+1]=blank;
       }
     }
     else if(i<3 && ((j>=(n-7)-k && j<=(n-1)+k) | |
(j>=(2*n+1)-k \&\& j<=(2*n+7)+k))){
       Love[i][j]=special_character;
     }
     else if(i>2 && j>=k-7 && j<=37-k || i==12 &&
j==15){
       Love[5][14]=blank;
       Love[5][16]=blank;
       if(i==5 \&\& i==15){
         Love[i][j]='+';
       }
       else
       Love[i][j]=special_character;
     }
    else
```

```
Love[i][j]=blank;
   }
  }
 for(i=0;i<13;i++){
    for(z=0;z<31;z++){
      if((i<2 \mid | i>10) \&\& z>=0 \&\& z<=7){
        I U[i][z]=star;
     }
      else if(i>1 && i<11 && z>=2 && z<=5){
        I U[i][z]=star;
      else if((i>=0 && i<=10) && (z>=8 && z<=11 | |
z > = 24 \&\& z < = 27)
        I U[i][z]=star;
     }
      else if(i==11 && (z>=8 && z<=27) || i==12
&& (z \ge 9 \&\& z \le 26)
        I U[i][z]=star;
     }
     else
      I U[i][z]=blank;
   }
  }
  for(i=0;i<13;i++){}
   z=0;
   while(z<8){
      printf("%c",I_U[i][z]);
     Z++;
   }
    if(z==8){}
      printf("\t");
    }
```

```
j=0;
while(j<31){
    printf("%c",Love[i][j]);
    j++;
}
if(j==31){
    printf("\t\t");
}
while(z<31){
    printf("%c",I_U[i][z]);
    z++;
}
printf("\n");
}
printf("\n");
return 0;</pre>
```

• Make a movable Love:

```
#include <stdio.h>
#include <unistd.h>
void Love(){
  for (;;) {
     printf("\033[H\033[2]");
     int a = 27, n = 0, l = 0, m=10;
     for (int i=0,k=0;i<13;i++,k=k+2) {
       for (int t = 1; t <= 1; t++) {
          printf(" ");
       }
       if(i==5){
          k=k-1:
       }
       for (int j=0;j<31;j++) {
          if(i<3 \&\& ((j>=(m-7)-k \&\& j<=(m-1)+k) | |
(i>=(2*m+1)-k &  i<=(2*m+7)+k))){
             printf("*");
          }
          else if(i>2 && (j>=k-7 && j<=37-k) ||
(i==12 \&\& i==15)
             printf("*");
          }
          else
             printf(" ");
       }
       printf("\n");
       if (i == 12 \&\& n < a) {
          n++;
```

```
i = -1;
k=-2;
l = n * 3;
usleep(100000);
printf("\033[H");
}
}
}
int main() {
Love();
```

 Make a program that will print given bellow: Enter your crash name: Hrdz
 Enter your name: Hamim
 Enter your favourite letter/digit:.

| ***** | ••••• | **** | |
|-------|-------------|------|------|
| *** | | | |
| ***** | ••••• | **** | |
| *** | | | |
| **** | ••••• | *** | **** |
| **** | ••••• | **** | *** |
| **** | Hrdz | **** | |
| *** | | | |
| **** | + | **** | |
| *** | | | |
| **** | Hamim | **** | |
| *** | | | |
| **** | ••••• | **** | **** |
| **** | *********** | **** | **** |
| **** | ••••• | *** | **** |
| **** | ••••• | **** | **** |
| ***** | ••• | | |
| ***** | **** | | |
| ***** | | | |
| ***** | · :**** | | |

```
#include <stdio.h>
void slowDown(double d){
   for(double y=.1;y<100000;y=y+d){}
}
void I(int I){
  int i, z;
  for(i=0;i<13;i++){}
     for (int t = 0; t < l; t++) {
          printf(" ");
     for(z=0;z<8;z++){}
        slowDown(.02);
      if((i<2 \mid | i>10) \&\& z>=0 \&\& z<=7){
        printf("*");
     }
      else if(i>1 && i<11 && z>=2 && z<=5){
        printf("*");
     }
      else
      printf(" ");
    }
    for(int t=1;t<90;t++){printf(" ");}
    printf("\n");
 }
}
void Love(int I){
  int i,j,k,n=10;
  for(i=0,k=0;i<13;i++,k=i*2){
     for (int t = 0; t < l; t++) {
```

```
printf(" ");
     }
     if(i > = 5){
      k=k-1;
     }
     for(j=0;j<31;j++){
       slowDown(.05);
       if(i<3 \&\& ((j>=(n-7)-k \&\& j<=(n-1)+k) | | (j>=
printf("*");
       else if(i>2 && (j>=k-7 && j<=37-k) | | (i==12 &&
j==15)
          printf("*");
       }
       else
          printf(" ");
  }
  printf("\n");
 }
}
void U(int I){
  int i, z;
  for(i=0;i<13;i++){
     for (int t = 0; t < l; t++) {
          printf(" ");
     }
    for(z=0;z<20;z++){
     slowDown(.04);
```

```
if((i>=0 && i<=10) && (z>=0 && z<=3|| z>=16 &&
z <= 19)){
        printf("*");
      }
      else if(i==11 && (z>=0 && z<=19) || i==12 &&
(z>=1 \&\& z<=18)){
        printf("*");
      }
      else
      printf(" ");
    printf("\n");
  }
}
void I L U(){
  for(;;){
     printf("\033[H\033[2]");
     int a = 3, n = 0, l=1;
     for (int i=1;i<=3;i++) {
        if(i==1){
           I(I);
           I = I + 12;
        }else if(i==2){
           Love(I);
          I = I + 39;
        }else if(i==3){
          U(I);
           | = | +24;
        }
```

```
printf("\033[H");
    if(i==3 && n<=a){
        i=0;
        n++;
        l=n*25;\
        slowDown(.001);
        printf("\033[H");
        }
    }
    }
}
int main() {
    I_L_U();</pre>
```

| ****** | **** |
|--------|----------|
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| *** | **** *** |
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| *** | **** |
| *** | **** *** |
| **** | *** *** |
| ***** | ****** |
| ***** | ***** |

```
#include <stdio.h>
void slowDown(double d){
   for(double y=.1;y<100000;y=y+d){}
}
void I(int I){
  int i, z;
  for(i=0;i<13;i++){}
     for (int t = 0; t < l; t++) {
          printf(" ");
     for(z=0;z<8;z++){}
        slowDown(.02);
      if((i<2 \mid | i>10) \&\& z>=0 \&\& z<=7){
        printf("*");
     }
      else if(i>1 && i<11 && z>=2 && z<=5){
        printf("*");
     }
      else
      printf(" ");
    }
    for(int t=1;t<65;t++){printf(" ");}
    printf("\n");
 }
}
void Love(int I){
  int i,j,k,n=10;
  for(i=0,k=0;i<13;i++,k=i*2){
     for (int t = 0; t < l; t++) {
```

```
printf(" ");
     }
     if(i > = 5){
      k=k-1;
     }
     for(j=0;j<31;j++){
       slowDown(.05);
       if(i<3 \&\& ((j>=(n-7)-k \&\& j<=(n-1)+k) | | (j>=
printf("*");
       else if(i>2 && (j>=k-7 && j<=37-k) | | (i==12 &&
j==15)
          printf("*");
       }
       else
          printf(" ");
  }
  printf("\n");
 }
}
void U(int I){
  int i, z;
  for(i=0;i<13;i++){
     for (int t = 0; t < l; t++) {
          printf(" ");
     }
    for(z=0;z<20;z++){
     slowDown(.04);
```

```
if((i)=0 \&\& i<=10) \&\& (z>=0 \&\& z<=3 | | z>=16 \&\&
z <= 19)
        printf("*");
      }
      else if(i==11 && (z>=0 && z<=19) || i==12 &&
(z>=1 \&\& z<=18)){
        printf("*");
      }
      else
      printf(" ");
    printf("\n");
  }
}
void I L U(){
  for(;;){
     printf("\033[H\033[2]");
     for (int i=1;i<=3;i++) {
        if(i==1){
          I(30);
        }else if(i==2){
          Love(30+12);
        }else if(i==3){
          U(30+12+39);
        }
        printf("\033[H");
        if(i==3){
          i=0;
          slowDown(.001);
          printf("\033[H");
```

```
}
}

int main() {
    I_L_U();
}
```

| ****** | **** |
|--------|----------|
| ****** | **** |
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| **** | **** |
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| *** | **** *** |
| **** | *** *** |
| ***** | ****** |
| ***** | ***** |

```
#include <stdio.h>
void slowDown(double d){
  for(double y=.1;y<100000;y=y+d){}
}
void I(int i, int I){
 for(;i<13;i++){
  for (int t = 0; t < l; t++) {
     printf(" ");
  }
  for(int z=0;z<8;z++){
   if((i<2 \mid | i>10) \&\& z>=0 \&\& z<=7){
    printf("*");
   }
   else if(i>1 && i<11 && z>=2 && z<=5){
    printf("*");
   }
   else
   printf(" ");
  }
  break;
}
void Love(int i, int l){
 int j,k=i*2,n=10;
 for(;i<13;i++,k=i*2){
  for (int t = 0; t < l; t++) {
   printf(" ");
  }
```

```
for(j=0;j<31;j++){
        if(i<3 \&\& ((j>=(n-7)-k \&\& j<=(n-1)+k) | | (j>=
(2*n+1)-k &  i <= (2*n+7)+k))
         printf("*");
        else if(i>2 && (j>=k-7 && j<=37-k) | | (i==12 &&
i==15)
          printf("*");
        }
        else
          printf(" ");
 }
void U(int i, int l){
  int z;
     for (int t = 0; t < l; t++) {
          printf(" ");
     }
    for(z=0;z<20;z++)
      if((i)=0 \&\& i<=10) \&\& (z>=0 \&\& z<=3 | | z>=16 \&\&
z <= 19)){
        printf("*");
      }
      else if(i==11 && (z>=0 && z<=19) || i==12 && (z>=1
&& z<=18)){
        printf("*");
      else
      printf(" ");
```

```
if(i > = 5){
k=k-1;
}
for(j=0;j<31;j++){
if(i<3 \&\& ((j>=(n-7)-k \&\& j<=(n-1)+k) | | (j>=
(2*n+1)-k &  i <= (2*n+7)+k))
printf("*");
}
else if(i>2 && (j>=k-7 && j<=37-k) || (i==12 &&
j==15)
printf("*");
else
printf(" ");
}
break;
}
}
void U(int i, int l){
for(;i<13;i++){
for (int t = 0; t < l; t++) {
printf(" ");
for(int z=0;z<20;z++){
if((i>=0 && i<=10) && (z>=0 && z<=3|| z>=16 &&
z <= 19)){
printf("*");
}
```

```
else if(i==11 && (z>=0 && z<=19) || i==12 && (z>=1 &&
z<=18)){
printf("*");
}
else
printf(" ");
break;
}
}
void I_L_U(){
for(;;){
printf("\033[H\033[2J");
for(int i=0; i<13; i++){
I(i, 4);
Love(i, 4);
U(i, 4);
```

printf("\n");

int main() {
 I_L_U();

}

}

}

slowDown(.001);

slowDown(.001); printf("\033[H");

Make a program that will print given bellow: Updated >>>

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|-------|--------------|
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| **** | **** |
| **** | **** |
| ***** | *********** |
| ***** | . ****** |

```
#include <stdio.h>
void slowDown(double d){
   for(double y=.1;y<100000;y=y+d){}
}
void I(int I, char c){
  int i, z; // I hate myself but love the devil inside me
  for(i=0;i<13;i++){}
     for (int t = 0; t < l; t++) {
          printf(" ");
     for(z=0;z<8;z++){}
       slowDown(.02);
      if((i<2 \mid | i>10) \&\& z>=0 \&\& z<=7){
       printf("%c", c);
     }
      else if(i>1 && i<11 && z>=2 && z<=5){
       printf("%c", c);
     }
     else
      printf(" ");
   }
   for(int t=1;t<65;t++){printf(" ");}
    printf("\n");
 }
}
void Love(int I, char c){
  int i,j,k,n=10;
```

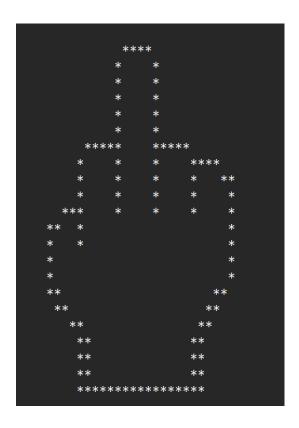
```
for(i=0,k=0;i<13;i++,k=i*2){
     for (int t = 0; t < l; t++) {
     printf(" ");
     if(i > = 5){
      k=k-1;
     }
     for(j=0;j<31;j++){
       slowDown(.05);
       if(i<3 \&\& ((j>=(n-7)-k \&\& j<=(n-1)+k) | | (j>=
printf("%c", c);
       else if(i>2 && (j>=k-7 && j<=37-k) | | (i==12 &&
j==15)
          printf("%c", c);
       }
       else
          printf(" ");
  }
  printf("\n");
 }
}
void U(int I, char c){
  int i, z;
  for(i=0;i<13;i++){
     for (int t = 0; t < l; t++) {
          printf(" ");
     }
```

```
for(z=0;z<20;z++){}
     slowDown(.04);
     if((i)=0 \&\& i<=10) \&\& (z>=0 \&\& z<=3 | | z>=16 \&\&
z <= 19)){
       printf("%c", c);
     }
      else if(i==11 && (z>=0 && z<=19) || i==12 &&
(z>=1 \&\& z<=18)){
       printf("%c", c);
     }
      else
      printf(" ");
    printf("\n");
 }
}
void I L U(){
  for(int h=1;;){
     printf("\033[H\033[2]");
     for (int i=1;i<=3; i++) {
       if(i==1){
          I(30, h);
       }else if(i==2){
          Love(30+12, h);
       }else if(i==3){
          U(30+12+39, h);
       }
       printf("\033[H");
       if(i==3){
```

```
i=0;h++;
if(h==255){h=1;}if(h==7){h=h+9;}
slowDown(.001);
printf("\033[H");
}
}

int main() {
    I_L_U();
}
```

• Make a program that will print given bellow:

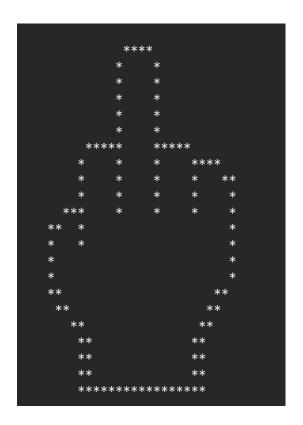


```
#include<stdio.h>
void Middle_Finger(){
  for(int i=1; i<=22; i++){
  for(int j=1; j<=25; j++){
   if(i==1&&j>=11&&j<=14||i==7&&
(j>=6\&\&j<=9||j>=16\&\&j<=19)
||i==11&&j>=3&&j<=5||i==8&&j>=21&&j<=23||i==9&
&j>=24&&j<=25||i==12&&j>=1&&j<=2
   ||i==22&&j>=5&&j<=21||(i>=19&&i<=21)&&
(j==5||j==6||j==20||j==21)
   ||i==16&&(j==1||j==2||j==23||j==24)||i==17&&
(j==2||j==3||j==22||j==23)
   ||i=18\&\&(i=4)||i=5||i=21||i=22|
    printf("*");
   }else
if((j==10||j==15)&&i>=2&&i<=11||j==5&&i>=8&&i<=13
||i==20&&i>=8&&i<=11||i==1&&i>=13&&i<=15||i==25
&&i>=10&&i<=15){
    printf("*");
   }
   else{
    printf(" ");
   }
  }
  printf("\n");
}
```

}

```
int main(){
  Middle_Finger();
}
```

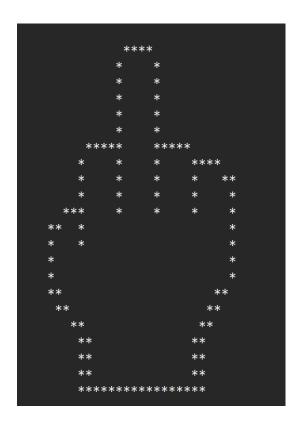
Make a program that will print given bellow:
 Moveable middle-finger >>>



```
#include<stdio.h>
void slowDown(double d){
  for(double y=.1;y<100000;y=y+d){}
}
void Middle Finger(int n){
  for(int i=1; i<=22; i++){
    for(int t=1;t \le n;t++){
      printf(" ");
    for(int j=1; j<=25; j++){
     if(i==1&&j>=11&&j<=14||i==7&&
(j>=6\&\&j<=9 | |j>=16\&\&j<=19)
||i==11&&j>=3&&j<=5||i==8&&j>=21&&j<=23||i==9&
&j>=24&&j<=25||i==12&&j>=1&&j<=2
     | | i==22&&j>=5&&j<=21 | |(i>=19&&i<=21)&&
(j==5||j==6||j==20||j==21)
     ||i=16\&\&(i=1)||i=2||i=23||i=24|||i=17\&\&
(i==2||i==3||i==22||i==23)
     ||i=18\&\&(j=4||j=5||j=21||j=22)){
      printf("*");
     }else
if((j==10 | j==15)\&\&i>=2\&\&i<=11 | j==5\&\&i>=8\&\&i<=13
|||==20&&i>=8&&i<=11|||==1&&i>=13&&i<=15|||==25
&&i>=10&&i<=15){
       printf("*");
     }
     else{
```

```
printf(" ");
      }
     }
  printf("\n");
 }
}
int main(){
 for(int i=0, k=30, t=0;;){
  printf("\033[H\033[2]");
  Middle_Finger(t);
  slowDown(.0017);
  if(i <= 30){
     t=i+=2;
  else if(k>=1){
     t=k-=2;
  }else{
     i=1;
     k=30;
  }
  printf("\033[H");
 }
}
```

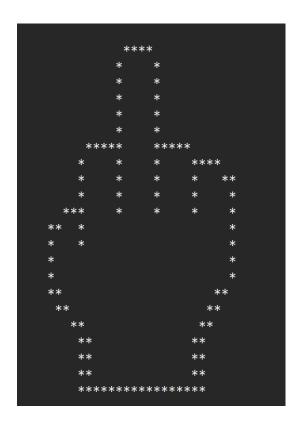
Make a program that will print given bellow:
 Moveable middle-finger with "*" and "." >>>



```
#include<stdio.h>
void slowDown(double d){
   for(double y=.1;y<100000;y=y+d){}
}
void Middle Finger(int n, char c){
  for(int i=1; i<=22; i++){
     for(int t=1;t \le n;t++){
       printf(" ");
     }
    for(int j=1; j<=25; j++){
      if(i==1&&j>=11&&j<=14||i==7&&
(j>=6\&\&j<=9||j>=16\&\&j<=19)
||i==11&&j>=3&&j<=5||i==8&&j>=21&&j<=23||i==9&&
j>=24&&j<=25||i==12&&j>=1&&j<=2
      | | i == 22&& j >= 5&& j <= 21 | | (i >= 19&& i <= 21)&&
(j==5||j==6||j==20||j==21)
      ||i==16&&(j==1||j==2||j==23||j==24)||i==17&&
(i==2||i==3||i==22||i==23)
      ||i=18\&\&(j=4||j=5||j=21||j==22)){
       printf("%c",c);
      }else
if((j==10||j==15)&&i>=2&&i<=11||j==5&&i>=8&&i<=13
| | | | == 20&& | >= 8&& | <= 11 | | | == 1&& | >= 13&& | <= 15 | | | == 25
\&\&i>=10\&\&i<=15){
        printf("%c",c);
      }
      else{
```

```
printf(" ");
      }
     }
  printf("\n");
 }
}
void Move ML(){
  for(int i=0, k=30, t=0;;){
  printf("\033[H\033[2]");
  for(int j=1; j<=3; j++){printf("\n");}
  if(t\%2==0){
     Middle_Finger(t,'*');
  }else{
     Middle_Finger(t,'.');
  }
  slowDown(.002);
  if(i <= 30){
     t=i++;
  else if(k>=1){
     t=k--;
  }else{
     i=1;
     k=30;
  }
  printf("\033[H");
 }
}
int main(){
  Move ML();
}
```

Make a program that will print given bellow:
 Moveable middle-finger with "*" and "." >>>



```
#include<stdio.h>
void slowDown(double d){
           for(double y=.1;y<100000;y=y+d){}
}
void M F(int n, char c){
         for(int i=1; i<=22; i++){
                  for(int t=1;t \le n;t++){
                           printf(" ");
                  } // Trigon->>> Hamim_2011 ->>> Hrdz_CD
                  for(int j=1; j<=25; j++){
                       if(i=1\&\&i>=11\&\&i<=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i==7\&i>=14||i
(j \ge 6 \& i \le 9 | | j \ge 16 \& i \le 19)
 ||i==11&&i>=3&&i<=5||i==8&&i>=21&&i<=23||i==9&
&j>=24&&j<=25||i==12&&j>=1&&j<=2
                        | | i==22&&j>=5&&j<=21 | | (i>=19&&i<=21)&&
(j==5||j==6||j==20||j==21)
                        ||i=16\&\&(i=1)||i=2||i=23||i=24|||i=17\&\&
(i==2||i==3||i==22||i==23)
                        ||i=18\&\&(j=4||j=5||j=21||j=22)
                           printf("%c",c);
                       }else
if((j==10 | j==15)\&\&i>=2\&\&i<=11 | j==5\&\&i>=8\&\&i<=13
 |||==20&&i>=8&&i<=11|||==1&&i>=13&&i<=15|||==25
&&i>=10&&i<=15){
                              printf("%c",c);
                       }
                       else{
```

```
printf(" ");
      }
     }
  printf("\n");
 }
}
void Move MF(int a, int b){
  for(int i=a, k=b, t=0;;){
     printf("\033[H\033[2]");
     printf("\n\n");
     if(t\%2==0){
        M F(t, '*');
     }else{
     M_F(t,'.');
     }
     slowDown(.002);
     if(i \le b)
        t=i++;
     else if(k>=a){
        t=k--;
     }else{
        i=a;
        k=b;
     }
     printf("\033[H");
 }
}
int main(){
  Move MF(20, 60);
```

}

