```
• • •
 8 #define screen_y 25
9 #define scount 40
11 HANDLE rHnd;
 12 HANDLE wHnd;
 13 DWORD fdwMode;
16 COORD bufferSize = { screen_x,screen_y };
18 SMALL_RECT windowSize = { 0,0,screen_x - 1,screen_y - 1 };
20 COORD ship;
22 int set_color = 7;
23 int life = 10;
         HANDLE console = GetStdHandle(STD_OUTPUT_HANDLE);
      CONSOLE_CURSOR_INFO lpCursor;
      lpCursor.bVisible = visible;
lpCursor.dwSize = 20;
        SetConsoleCursorInfo(console, &lpCursor);
35 int setMode()
36 {
37    rHnd = GetStdHandle(STD_INPUT_HANDLE);
38    fdwMode = ENABLE_EXTENDED_FLAGS | ENABLE_WINDOW_INPUT | ENABLE_MOUSE_INPUT;
38    called (rHnd. fdwMode);
    wHnd = GetStdHandle(STD_OUTPUT_HANDLE);
         SetConsoleWindowInfo(wHnd, TRUE, &windowSize);
      SetConsoleScreenBufferSize(wHnd, bufferSize);
         for (int y = 0; y < screen_y; y++)
                 consoleBuffer[x + screen_x * y].Attributes = 7;
```

```
//star[i] = {(rand() % screen_x), (rand() % screen_y)};
star[i].X = rand() % screen_x;
star[i].Y = rand() % screen_y;
                                     //star[i] = { (rand() % screen_x),1 };
star[i].X = rand() % screen_x;
star[i].Y = 1;
                          case
{
    //star[i] = { star[i].X,star[i].Y + 1 };
    star[i].X = rand() % screen_X;
    star[i].Y = star[i].Y + 1;
}
                            consoleBuffer[star[i].X + screen_x * star[i].Y].Char.AsciiChar = '';
consoleBuffer[star[i].X + screen_x * star[i].Y].Attributes = 7;
                  ship.X = x;
ship.Y = y;
consoleBuffer[ship.X + screen_x * ship.Y].Char.AsciiChar = '<';
consoleBuffer[ship.X + screen_x * ship.Y].Attributes = color;
consoleBuffer[ship.X + screen_x * ship.Y + 1].Char.AsciiChar = '-';
consoleBuffer[ship.X + screen_x * ship.Y + 1].Attributes = color;
consoleBuffer[ship.X + screen_x * ship.Y + 2].Char.AsciiChar = '0';
consoleBuffer[ship.X + screen_x * ship.Y + 2].Char.AsciiChar = '0';
consoleBuffer[ship.X + screen_x * ship.Y + 3].Char.AsciiChar = '-';
consoleBuffer[ship.X + screen_x * ship.Y + 3].Attributes = color;
consoleBuffer[ship.X + screen_x * ship.Y + 4].Char.AsciiChar = '>';
consoleBuffer[ship.X + screen_x * ship.Y + 4].Attributes = color;
                             if ((ship.X == star[i].X || ship.X + 1 == star[i].X || ship.X + 2 == star[i].X || ship.X + 3 == star[i].X || ship.X + 4 == star[i].X) && ship.Y == star[i].Y)
                                     star[i].Y = 1;
life--;
SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE), c);
 142 HANDLE h
143 SetConsc
144 }
145 //Life
146 void Life()
147 {
148 setcolor
149 gotoxy(8)
159 nointf()
                    SetConsoleTextAttribute(hConsole, bg * 16 + fg);
                    gotoxy(0, 1);
printf("Your Life : %d", life);
```

```
153 int main()
        srand(time(NULL));
        init_star();
        setMode();
DWORD numEvents = 0;
        DWORD numEventsRead = 0;
        int posX = screen_x;
        int set_color = 7;
        while (play)
            GetNumberOfConsoleInputEvents(rHnd, &numEvents);
            if (numEvents != 0)
                INPUT_RECORD* eventBuffer = new INPUT_RECORD[numEvents];
                ReadConsoleInput(rHnd, eventBuffer, numEvents, &numEventsRead);
                for (DWORD i = 0; i < numEventsRead; ++i)
                     if (eventBuffer[i].EventType == KEY_EVENT &&eventBuffer[i].Event.KeyEvent.bKeyDown == true)
                         else if (eventBuffer[i].Event.KeyEvent.uChar.AsciiChar == 99)
                             set_color = rand() % 255 + 1;
                    else if (eventBuffer[i].EventType == MOUSE_EVENT)
                         int posx = eventBuffer[i].Event.MouseEvent.dwMousePosition.X;
                         int posy = eventBuffer[i].Event.MouseEvent.dwMousePosition.Y;
                         if (eventBuffer[i].Event.MouseEvent.dwButtonState && FROM_LEFT_1ST_BUTTON_PRESSED)
                            set_color = rand() % 255 + 1;
                        else if (eventBuffer[i].Event.MouseEvent.dwEventFlags & MOUSE_MOVED)
                 delete[] eventBuffer;
             fill_star_to_buffer();
             draw_ship(posX, posY, set_color);
             fill_buffer_to_console();
```

