```
• • •
 8 void setcolor(int fg, int bg) {
9    HANDLE hConsole = GetStdHandle(STD_OUTPUT_HANDLE);
          SetConsoleTextAttribute(hConsole, bg * 16 + fg);
12 void gotoxy(int x, int y)
          COORD c = \{x,y\};
          SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE), c);
         gotoxy(x, y);
         printf("<-0->");
         gotoxy(x, y);
          setcolor(0, 0);
         printf("
28 // Bullet
29 void draw_bullet(int x, int y) {
        gotoxy(x, y);
         setcolor(7, 1);
printf("^");
void erase_bullet(int x, int y) {
         setcolor(7, 0);
printf(" ");
40 void drawStar()
         int x, y;
x = rand() % 71 + 10; // (10,70)
       y = rand() % 6 + 2; // (2,5)
setcolor(3, 0);
         gotoxy(x, y);
printf("*");
50 void setcursor(bool visible)
         HANDLE console = GetStdHandle(STD_OUTPUT_HANDLE);
CONSOLE_CURSOR_INFO lpCursor;
          lpCursor.bVisible = visible;
         lpCursor.dwSize = 20;
         SetConsoleCursorInfo(console, &lpCursor);
58 char cursor(int x, int y) {
59 HANDLE hStd = GetStdHandle(STD_OUTPUT_HANDLE);
          char buf[2]; COORD c = { x,y };
         DWORD num_read;
              !ReadConsoleOutputCharacter(hStd, (LPTSTR)buf, 1, c, (LPDWORD)&num_read))
             return '\0';
              return buf[0];
```

```
char direction = '0';
int statebullet[5] = { 0,0,0,0,0 };
int score = 0;
for (int i = 0; i < 20; i++)
     drawStar():
setcolor(2, 0);
draw_ship(x, y);
            ch = _getch();
if (ch == 'a')
            }
//Bullet Motion
if (ch == ' ' && statebullet[n] == 0)
.
                  Beep(700, 100);
statebullet[n] = 1; //statebullet On
bulletX[n] = x + 2;
bulletY[n] = y - 1;
      }
if (direction == 'R' && x != 80)
             erase_ship(x, y);
            draw_ship(x, y);
                  erase_bullet(bulletX[j], bulletY[j]); //erase current bullet
if (bulletY[j] > 0 && cursor(bulletX[j], bulletY[j] - 1) != '*')
                   else if (cursor(bulletX[j], bulletY[j] - 1) == '*')
                         drawStar();
                         score++;
Beep(700, 400);
statebullet[j] = 0;
      }
setcolor(2, 0);
gotoxy(90, 3);
printf("Score : %d", score);
Sleep(100);
}while (ch != 'x');
```

