

```
1 using System;
2
3 namespace NQueens
4 {
5     class Printer
6     {
7         /// <summary>
8         /// Iterates over a board and prints it to console
9         /// </summary>
10        /// <param name="board">Board to print</param>
11        public void Print(Square[][] board)
12        {
13            for (int i = 0; i < board.Length; i++)
14            {
15                for (int j = 0; j < board[i].Length; j++)
16                {
17                    if (board[i][j].isQueen)
18                    {
19                        Console.Write('Q');
20                    }
21                    else if (board[i][j].GetNumHits() > 0)
22                    {
23                        Console.Write('-');
24                    }
25                    else
26                    {
27                        Console.Write('X');
28                    }
29                    Console.Write("  ");
30                }
31                Console.WriteLine();
32            }
33        }
34        /// <summary>
35        /// Used for debugging, prints the same as above except it lists how many hits each square has
36        /// </summary>
37        /// <param name="board">board to print</param>
38        public void PrintHits(Square[][] board)
39        {
40            for (int i = 0; i < board.Length; i++)
41            {
42                for (int j = 0; j < board[i].Length; j++)
43                {
44                    if (board[i][j].isQueen)
45                    {
46                        Console.Write('Q');
47                    }
48                    Console.Write(board[i][j].GetNumHits());
```

```
49
50         Console.Write("\t");
51     }
52     Console.WriteLine();
53 }
54 }
55 }
56 }
57
```