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📢 File Edit Selection View Go Run Terminal Help
                                                  N-Queen-Problem.cpp - DAA-practical - Visual Studio Code
     C N-Queen-Problem.cpp X
      Practical-9 > C→ N-Queen-Problem.cpp > ...
        1 // Author: Anish Tilloo
2 // Roll No. : 34
            // Program: N-Queen Problem
B
            #include <bits/stdc++.h>
Ilı
            using namespace std;
            bool isSafe(int** arr, int x, int y, int n){
                for (int row = 0; row < n; row++)</pre>
                    if (arr[row][y] == 1)
                int col = y;
                while (row >= 0 && col >= 0)
(8)
                    if(arr[row][col] == 1)
503
ゲ 🕟 Run Testcases 🔞 0 🛆 0 🤌 Live Share Screen Reader Optimized Ln 3, Col 29 Spaces: 4 UTF-8 CRLF C++ 🗣 Go Live 🗸 Spell Win32 🔗 Prettier 尽 🚨
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                                                  N-Queen-Problem.cpp - DAA-practical - Visual Studio Code
                                                                                             • N-Queen-Problem.cpp X
                int row = x;
                int col = y;
8
                while (row >= 0 && col >= 0)
H
                    if(arr[row][col] == 1)
                    row--;
ရှ
4
                while (row >= 0 && col < 0)
                    if (arr[row][col] == 1)
8
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                    row--;
                    col++;
```

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                                                N-Queen-Problem.cpp - DAA-practical - Visual Studio Code
    C** N-Queen-Problem.cpp X
     Practical-9 > C++ N-Queen-Problem.cpp > ...
                   if (arr[row][col] == 1)
ılı
                   col++;
           bool nQueen(int** arr, int x, int n){
               if (x >= n)
(8)
                   if (isSafe(arr, x, col, n))
563
刘 File Edit Selection View Go Run Terminal Help
                                                N-Queen-Problem.cpp - DAA-practical - Visual Studio Code
                                                                                       C++ N-Queen-Problem.cpp X
     Practical-9 > C→ N-Queen-Problem.cpp > ...
           bool nQueen(int** arr, int x, int n){
品
ılı
               for (int col = 0; col < n; col++)</pre>
                   if (isSafe(arr, x, col, n))
                       arr[x][col] = 1;
                       if (nQueen(arr, x + 1, n))
                       arr[x][col] = 0; // backtracking
(8)
553
               ⊗ 0 🗴 0 🕏 Live Share Screen Reader Optimized Ln 3, Col 29 Spaces: 4 UTF-8 CRLF C++ 🖗 Go Live ✓ Spell Win32 ⊘ Prettier
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                                                   N-Queen-Problem.cpp - DAA-practical - Visual Studio Code
     C N-Queen-Problem.cpp X
      Practical-9 > C++ N-Queen-Problem.cpp > ... b/ int main(){
                int n;
                cout << "Enter the size of the Chess Board: " << endl;</pre>
ılı
                int** arr = new int*[n];
$
                for (int i = 0; i < n; i++)
                    arr[i] = new int[n];
                    for(int j = 0; j < n; j++)
1
                        arr[i][j] = 0;
                if (nQueen(arr, 0, n))
(8)
503
                        for (int j = 0; j < n; j++)
   ▶ Run Testcases ⊗ 0 △ 0 ♣ Live Share Screen Reader Optimized Ln 3, Col 29 Spaces: 4 UTF-8 CRLF C++ ♠ Go Live ✓ Spell Win32 ⊘ Prettier 👂 🚨
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                                                   N-Queen-Problem.cpp - DAA-practical - Visual Studio Code
                                                                                             C** N-Queen-Problem.cpp X
8
                if (nQueen(arr, 0, n))
                     for(int i = 0; i < n; i++)
ılı
                         for (int j = 0; j < n; j++)
                            cout << arr[i][j] << " ";
                        cout << endl;</pre>
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```

