## AI Assignment 2 - Implementation of Uninformed Strategies

Name: Siddhi Rajeshirke

Division: CS-C

Batch: 3 Roll No: 75 PRN: 12110298

## N Queens problem using DFS and Backtracking

## Code:

```
for (int j = 0; j < n; j++) {
   if (board[i][j] == 1) {</pre>
          System.out.print(" Q ");
           System.out.print(" - ");
System.out.println();
```

```
board[i][col] = 0;
    }
    return false;
}
static void solveNQueens(int a) {
    n = a;
    int[][] board = new int[n][n];

    if (!solveNQueensUtil(board, 0)) {
        System.out.println("Solution does not exist, for nQueens
problem enter n greater than 3");
    } else {
        printSolution(board);
    }
}

public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);
    System.out.print("Enter the value of N : ");
    int a = scanner.nextInt();
    scanner.close();
    solveNQueens(a);
}
```

## Output:



```
C:\Users\siddh\.jdks\openjdk-19.0.1\bin\java.exe "-javaagent:C:\Program File

Enter the value of N : 2

Solution does not exist, for nQueens problem enter n greater than 3

Process finished with exit code 0
```