

### 1. N Queens problem

```
PS C:\Users\adith\Documents\bmsce\2nd year\4th sem\DAA\DAA_practice_not git> cd "c:\Users\adith\Documents\bmsce\2nd year\4th sem\DAA\DAA_practice_not git\" ; if ($?) { g++ nqueen.cpp -o nqueen } ; if ($?) { .\nqueen }
enter the board size(number of queens): 4
input received:Solution: 1
queen    position
1        2
2        4
3        1
4        3
Solution: 2
queen    position
1        3
2        1
3        4
4        2
PS C:\Users\adith\Documents\bmsce\2nd year\4th sem\DAA\DAA_practice_not git> █
```

### 2. Sum of subsets

```
PS C:\Users\adith\Documents\bmsce\2nd year\4th sem\DAA\DAA_practice_not git> cd "c:\Users\adith\Documents\bmsce\2nd year\4th sem\DAA\DAA_practice_not git\" ; if ($?) { g++ sos.cpp -o sos } ; if ($?) { .\sos }
enter the number of set elements: 5
enter the array elements: 1 2 5 6 8
enter the desired sum: 9
solution: 1
1 2 6
solution: 2
1 8
PS C:\Users\adith\Documents\bmsce\2nd year\4th sem\DAA\DAA_practice_not git> █
```

### 3. Open hashing

```
PS C:\Users\adith\Documents\bmsce\2nd year\4th sem\DAA\DAA_practice_not git> cd "c:\Users\adith\Documents\bmsce\2nd year\4th sem\DAA\DAA_practice_not git\" ; if ($?) { g++ sep_chain.cpp -o sep_chain } ; if ($?) { .\sep_chain }
Color of apple: red
Color of banana: yellow
Color of grape: purple
Color of orange: Key not found
PS C:\Users\adith\Documents\bmsce\2nd year\4th sem\DAA\DAA_practice_not git> █
```