Output : N-Queens Problem

```
● (base) aryankushwaha@Aryan-Kushwaha Lab-5 % cd "/Users/Don't Open/5th Sem/L
  /Aaryan_28900/DAA/Lab-5/"N_Queen
  Enter the size of the board (N): 4
   0  0  1  0
   1  0  0  0
   0  0  0  1
   0  1  0  0
○ (base) aryankushwaha@Aryan-Kushwaha Lab-5 % █
```

Output: Subset-Sum Problem (Backtracking)

```
● (base) aryankushwaha@Aryan-Kushwaha Lab-5 % cd "/Users/Don't Open/5th Sem/
  em/Lab/Aaryan_28900/DAA/Lab-5/"subSet_sum
  Enter the number of weights: 8
  Enter the weights: 23 4 23 5 54 65 61 89
  Enter the target sum: 78
  Nodes generated: 30
○ (base) aryankushwaha@Aryan-Kushwaha Lab-5 % █
```

Output: 0-1 Knapsack (Backtracking)

```
● (base) aryankushwaha@Aryan-Kushwaha Lab-5 % cd "/Users/Don't Open/5th Sem/La
   Sem/Lab/Aaryan_28900/DAA/Lab-5/"0_1knapSack
  Enter the number of items: 5
  Enter the weights of the items: 23 43 45 12 56
  Enter the profits of the items: 23 78 89 55 123
  Enter the capacity of the knapsack: 87
  Profit: 178.00
  Knapsack contains:
  Item 3 with weight 12.00 and profit 55.00
  Item 4 with weight 56.00 and profit 123.00
○ (base) aryankushwaha@Aryan-Kushwaha Lab-5 % █
```