SUM OF SUBSETS:

PROGRAM:

```
#include<iostream>
using namespace std;
int grid[10][10];
void print(int n) {
   for (int i = 0;i <= n-1; i++) {
               cout <<grid[i][j]<< " ";
   cout << endl;
    cout<<endl;</pre>
        if (grid[i][col]) {
    for (int i = row, j = col; i >= 0 && j >= 0; i--, j--) {
        if (grid[i][j]) {
       if (grid[i][j]) {
bool solve (int n, int row) {
       print(n);
```

```
grid[row][i] = 1;
        grid[row][i] = 0;
ios_base::sync_with_stdio(false);
 cin.tie(NULL);
         for (int j = 0; j < n; j++) {
            grid[i][j] = 0;
     bool res = solve(n, 0);
     if(res == false) {
        cout << -1 << endl;
```

OUTPUT:

```
User@PRATHIKSHA /c/ada lab
$ cd "/c/ada lab/" && g++ n-queens.cpp -o n-queens && "/c/ada lab/"n-queens
Enter the number of queen
4
0 1 0 0
0 0 0 1
1 0 0 0
0 0 1 0

0 0 1 0
1 0 0 0
0 0 0 1
0 1 0 0
0 0 0 1
0 1 0 0
```