Implement N queen algo using backtracking.

```
Program:
#include<stdio.h>
#include<conio.h>
int canplace(int r,int c[50])
 int i;
 for(i=0;i< r;i++)
  //no 2 queen in same row,same colm and also in same diagonal
  if(c[i]==c[r] \mid \mid abs(c[i]-c[r])==abs(i-r))
  return 0;
 }
 return 1;
void display(int c[50],int n)
  int i,j;
  char cb[10][10];
  for(i=0;i<n;i++)
    for(j=0;j< n;j++)
          cb[i][j]='-';
 for(i=0;i<n;i++)
    cb[i][c[i]]='q';
 printf("-----\n");
 for(i=0;i<n;i++)
 {
   for(j=0;j< n;j++)
         printf("%c\t ",cb[i][j]);
   printf("\n");
 }
}
void nqueen(int n)
{
 int r,c[50];
 c[0]=-1;
 r=0;
 while(r>=0)
   c[r]++;
   while(c[r]<n && !canplace(r,c))
         c[r]++;
   if(c[r] < n)
         if(r==n-1)
            display(c,n);
            printf("\n");
         }
         else
```

Output screenshot: