Implementation of N Queen problem

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Code:
#include<stdio.h>
#include<math.h>
int board[20],count;
int main()
{
int n,i,j;
void queen(int row,int n);
printf("Enter number of queens:");
scanf("%d",&n);
queen(1,n);
return 0;
}
void print(int n)
{
int i,j;
printf("\n\nSolution %d:\n\n",++count);
for(i=1;i<=n;++i)
 printf("\t%d",i);
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for(i=1;i<=n;++i)
{
 printf("\n\n\%d",i);
 for(j=1;j<=n;++j)
 {
 if(board[i]==j)
  printf("\tQ");
 else
  printf("\t*");
}
}
int place(int row,int column)
{
int i;
for(i=1;i<=row-1;++i)
{
 if(board[i]==column)
 return 0;
 else
 if(abs(board[i]-column)==abs(i-row))
  return 0;
}
```

```
return 1;
}
void queen(int row,int n)
{
int column;
for(column=1;column<=n;++column)</pre>
{
 if(place(row,column))
 {
 board[row]=column;
 if(row==n)
  print(n);
 else
  queen(row+1,n);
}
}
```

Output: