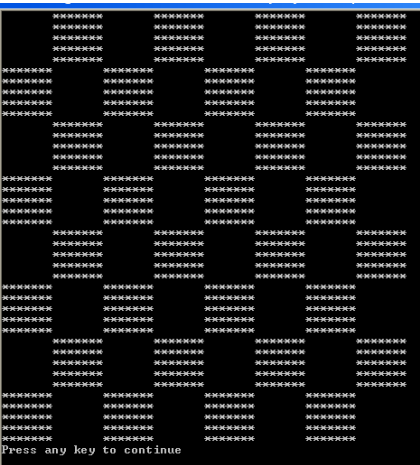


Assignment: Make sure you understand how the following program works.

```
#include <iostream.h>

void main(){
    int i,j,k,l;
    char c=' ';
    for ( i=0; i<8; i++)
        for (k=0;k<5; k++)
            {for (j=0; j<8; j++) // print a whole row across
                {if(((i+j)%2==0)
                    c=' ';
                else
                    c='*'; // point 1
                for (l=0; l<7;l++)
                    cout<<c;
                }
            cout<<endl;          // now move to the next line
        }
    }
```

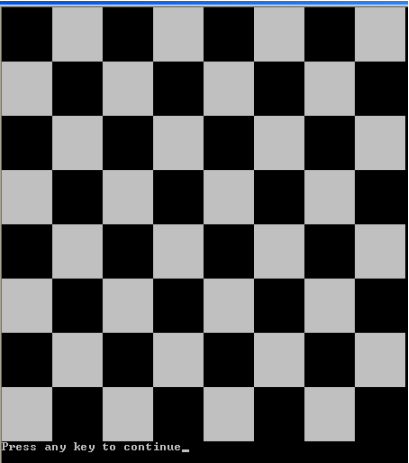
produces:



If we change the instruction at “point 1” above to read:

```
c=char(219) ; // point 1
```

we get:



- Question:** How many rows are printed?
- Question:** How does the program determine when to print a blank and when to print a “*”?
- Question:** How can this program be modified so that some of the squares can show some representation of a queen in that square?