

# APP Week-10 HackerRank

## Q. The Bomberman Array

### Code:

```
def bomberMan(n, grid):
    # if n is even, return full grid
    fullGrid = [("0" * len(grid[0]))] * len(grid)
    if n == 1: return grid
    if n % 2 == 0: return fullGrid
    k = 0
    x = 1
    if n % 4 == 1:
        x = 3
    while k < x:
        for i in range(len(grid)):
            for j in range(len(grid[i])):
                if grid[i][j] == "O":
                    fullGrid[i] = fullGrid[i][:j] + "." + fullGrid[i][j+1:]
                    if i > 0:
                        fullGrid[i-1] = fullGrid[i-1][:j] + "." + fullGrid[i-1][j+1:]
                    if i < len(grid) - 1:
                        fullGrid[i+1] = fullGrid[i+1][:j] + "." + fullGrid[i+1][j+1:]
                    if j > 0:
                        fullGrid[i] = fullGrid[i][:j-1] + "." + fullGrid[i][j:]
                    if j < len(grid[i]) - 1:
                        fullGrid[i] = fullGrid[i][:j+1] + "." + fullGrid[i][j+2:]
        grid = fullGrid
        fullGrid = [("0" * len(grid[0]))] * len(grid)
        k += 2
    print(grid)
    return grid
```

### Screenshot:

