

# CSE 331 PROJECT 1 REPORT FURKAN TAŞKIN

I followed the Hackerrank. My aim is to implement version 1.

## **How to take input?**

Program will ask 256 times to enter a character. You can enter '0' and '.' like in the Hackerrank. If you want you can adjust the size to 3 you can only enter 9 times for convenience. Program will ask like this:

Enter a character: .

Enter a character: 0

Enter a character: .

and goes on...

## **Program Flow**

- Takes input from user.
- Prints the taken matrix
- Fills the second matrix with '0'
- Detonates bombs in matrices
- Prints final matrix

## **Functions**

inputMatrix: Takes input in nested for loops

print: Prints the matrix in nested for loops

fill: Fills the matrix with 0 in nested for loops and calculates the indexes.

detonate\_bomb: Uses nested loops. Uses labels for each direction. Calculates indexes for determining where to explode.