

Assignment 1 – Karm Desai 400372652

Minesweeper Game Instructions

1. Create executable file for main.c in terminal (gcc -o main main.c)
2. Compile code within terminal (cc main.c)
3. Run file (./a.out or whatever other method preferred) and the following will appear in terminal:

```
karm_desai@DESKTOP-NG7RC04:~/MECHTRON2MP3/prac$ ./a.out
Welcome to Minesweeper!
Enter the coordinates (x y) to reveal a cell.
  0 1 2 3 4 5 6 7 8 9
0 - - - - - - - - -
1 - - - - - - - - -
2 - - - - - - - - -
3 - - - - - - - - -
4 - - - - - - - - -
5 - - - - - - - - -
6 - - - - - - - - -
7 - - - - - - - - -
8 - - - - - - - - -
9 - - - - - - - - -
Enter coordinates (x y) with space between them: █
```

4. Simply enter (x y) coordinates within the range of the board and with a space between them (where the first number is row, and the second number is column) to reveal a cell.
5. If a bomb hasn't been hit, a number will appear where you chose your cell indicating how many bombs are touching said cell (in the below case, 2 around coordinates (7,7)):

```
  0 1 2 3 4 5 6 7 8 9
0 - - - - - - - - -
1 - - - - - - - - -
2 - - - - - - - - -
3 - - - - - - - - -
4 - - - - - - - - -
5 - - - - - - - - -
6 - - - - - - - - -
7 - - - - - 2 - - -
8 - - - - - - - - -
9 - - - - - - - - -
Enter coordinates (x y) with space between them: █
```

6. Keep entering coordinates using logic to fill out the board without hitting any bombs!
7. If a bomb is hit, the game will reveal all hidden bombs and you may play again by doing step 3.
8. If you manage to fill the board, you win the game! You can always try again by repeating step 3.
9. You can also exit out of the game at any time by pressing Ctrl + C when prompted for coordinates.
10. To see the bombs before you play, you can uncomment out the code at Line 98 to see a 'cheat' board.