General program flow in C code.

The program output is different but this is general idea.

```
void game(int row, int column, int time){
   char **map;
   for(int i=0; i < time; i++){</pre>
       if(i==0){
           map = create map(row, column);
           fill map user(map, row, column);
       else if( (i-1) % 2 == 0){
           fill map bomberman(map,row, column);
           printf("bomberman filled the map \n");
       else if ((i-1) \% 2 == 1){
           bomb(map,row,column);
           printf("bombs are explodes \n");
       printf("/////////////////n");
       print_map(map, row, column);
       printf("/////////////////n");
```

I keep general information in register like this:

| T0 | I outer loop iteration |
|----|---|
| T1 | K inner loop iteration |
| T2 | Index of array , multiplication of row and column |
| Т3 | Memory place of map array |
| T4 | Reading array and wiritng array byte |
| T5 | 1' and 2' complement |
| T6 | Jump previous element |
| T7 | Include of previous element |
| Т8 | I Game loop iteration |
| Т9 | |

| S0 | Row number |
|-----------|---|
| S1 | Column number |
| S2 | Time number |
| S3 | "Character (Empty space) |
| S4 | 'O' Character (Planted bomb) |
| S5 | 'X' Character (Triggered bomb) |
| S6 | Keep ra register because we use functions in the function |
| S7 | Keep the initial position in S7 |

Running and Result:

```
Map,s Printing
Please enter the row
                                                                             0...
Please enter the column
                                                                              . . . .
                                                                             0..0
Please enter the time of game
                                                                             0...
                                                                             Map,s Printing
Enter the map (char by char) don't enter just write char
...0
                                                                             0000
.0..
                                                                             0000
                                                                             0000
..0.
                                                                             0000
Map,s Printing
                                                                             Map,s Printing
...0
.0..
                                                                              ..00
                                                                              .00.
..0.
                                                                              . . . .
                                                                              ..0.
Map,s Printing
                                                                             -- program is finished running (dropped off bottom) --
0000
0000
0000
0000
```

Please give attention when given true input characters which are 'O' and '.'