Practical - 4

Program Definition:

Write a python program to create tic-tac-toe game using the minimax algorithm.

Output:

```
Welcome to Tic Tac Toe!                    Welcome to Tic Tac Toe!
Choose your symbol (1 for O, -1 for X): 1  Choose your symbol (1 for O, -1 for X): -1
Choose opponent (AI/Friend): ai           Choose opponent (AI/Friend): friend
   1 2 3                                      1 2 3
1   |  |                                    1   |  |
2   |  |                                    2   |  |
3   |  |                                    3   |  |
Enter your move (1-9): 1                    Enter your move (1-9): 1
   1 2 3                                       1 2 3
1  O|  |                                    1  X |  |
2   |  |                                    2   |  |
3   |  |                                    3   |  |
Computer move:                             Enter your move (1-9): 23
   1 2 3                                    Invalid input. Enter a number between 1 and 9.
1  O | X |                                  Enter your move (1-9): 4
2   |  |                                       1 2 3
3   |  |                                    1  X |  |
Enter your move (1-9): 4                    2  O |  |
   1 2 3                                    3   |  |
1  O | X |                                  Enter your move (1-9): 5
2  O |  |                                       1 2 3
3   |  |                                    1  X |  |
Computer move:                             2  O | X |
   1 2 3                                    3   |  |
1  O | X | X                               Enter your move (1-9): 4
2  O |  |                                   Position already taken. Try again.
3   |  |                                    Enter your move (1-9): 7
Enter your move (1-9): 7                        1 2 3
   1 2 3                                    1  X |  |
1  O | X | X                               2  O | X |
2  O |  |                                   3  O |  |
3  O |  |                                   Enter your move (1-9): 9
Congratulations! You win!                      1 2 3
                                           1  X |  |
                                           2  O | X |
                                           3  O |  | X
                                           Sorry, you lose!
```