Coding Samurai Internship Task-(Tic-Tac-Toe Game)

Here's a documentation of the provided C++ code, along with explanations of functions, variables, and instructions on how to play:

Purpose of Functions and Variables:

1. **square[][]** and **board[][]** arrays:

    - **square[][]**: Represents the Tic Tac Toe grid where marks are placed.

    - **board[][]**: Represents the status of each cell on the grid (empty, marked by player 1, or marked by player 2).

2. **Variables (player**, **isEvil**, **isEvilMarked**, **reset**, **flag**, **withPlayer)**:

    - **player**: Tracks the current player (0 for player 1, 1 for player 2 or computer).

    - **isEvil**: Indicates if the computer is playing as a smart or evil player.

    - **isEvilMarked**: Tracks if an evil computer has marked a cell.

    - **reset**: Used to reset the board.

    - **flag**: Used as a marker for certain conditions.

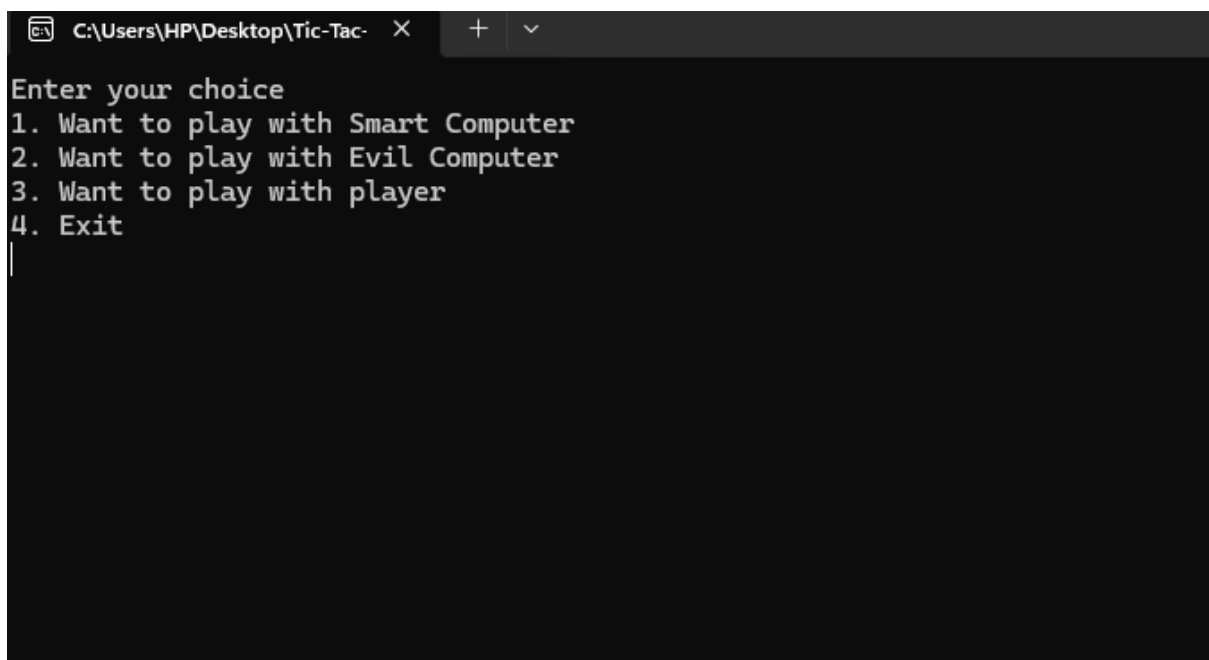   - **withPlayer**: Indicates if the game is played with another human player.

3. Functions:

    - **resetBoard()**: Resets the game board and related variables.

    - **checkWinner()**: Checks for a winning condition or a draw.

    - **drawBoard()**: Displays the current state of the Tic Tac Toe board.

    - **fillMark()**: Fills the selected cell with the player's mark.

    - **selectPlayer()**: Selects the current player.

    - **selectMark()**: Selects the mark (X or O) for the current player.

    - **gameStatus()**: Displays the game result.

    - **enterChoice()**: Allows the player to enter their choice of cell.

    - **findComputerMove()**: Logic for the computer's move, considering different strategies.

4. **main()**: Contains the game loop and menu to select game mode.

Instructions on How to Play:

1. Upon running the program, you'll be presented with a menu to select the game mode.

2. Choose the desired mode:

   - **Option 1:** Play against a smart computer.

   - **Option 2:** Play against an evil computer.

   - **Option 3:** Play against another human player.

   - **Option 4:** Exit the game.

3. If playing against a computer, the game will continue until a player wins or the game ends in a draw.

4. If playing against another human player, take turns selecting empty cells to place your mark (X or O).

5. The game will continue until a player wins or the game ends in a draw.

6. After each game, the result will be displayed, and you can choose to play again or exit.

Make sure to input valid choices and follow the instructions displayed during the game.

```
#################### Tic Tac Toe ####################

First Player X
Second Player O


     |     |
  O  |  X  |  3
_____|_____|_____
     |     |
  O  |  O  |  X
_____|_____|_____
     |     |
  X  |  8  |  O
_____|_____|_____



#########################################################

Player won1

#########################################################

|
```