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Assignment 5

Algorithm

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The Tic Tac Toe Project will first need you to create a two dimensional array with data type char with length of 3 for the rows and columns. Another two variables one a boolean to indicate true when a winner is found and a char to indicate which key letter or symbol to show up when the game ends. Simple nested loops are used throughout the program to iterate the board that the tic tac toe game will take place. Have the nested for loops iterate a dash and separately, have another for loop to spread the dashes with spaces indicated by the number of rows and columns in the 2-D array. You this whenever you wish to create the board. Variable to hold user input name a random object will be created to decide if the users input goes first or the pseudo random input from the computer goes first. Two separate if statements that differ with the decision of the random that follow the protocols of iterating the board with a nested loop followed by the decision of the user or computer. All being within a while conditioned to run until the boolean variable reads true in this case if one of the scenarios of won method becomes true. Lastly have a method to have the computer decisions occur. This can be done with if statements with the condition being that the space is empty. Have a method that runs the whole program again if the user chooses to play again.