User Manual

1. Download the file named “TicTacToe\_in\_MIPS.asm” from eLearning.
2. Open this file in MARS version 4.5.
3. Once the file opens in the editor press this button at the top of the program:
4. After pressing the assemble button, a green play button will be enabled. Press this button.
5. Now, you should see a tic tac toe board at the bottom of your screen. It should look something like this: Graphical user interface, application, Word

   Description automatically generated
6. Now press the up arrow above the tab that says, “Mars Messages,” to make the output full screen. This will enable you to play the game easily.



1. Now, using your keyboard, choose a number from 1 – 9. Type that number and press enter. You will be playing as O’s and the computer will play as X’s. Then, for example if you choose to play on square number nine, it should look something like this: Graphical user interface

   Description automatically generated with medium confidence
2. Continue playing like this until you win, the computer wins, or it’s a tie. After any one of these three things occurs the program will terminate with this message. Graphical user interface, text

   Description automatically generated
3. To play the game again after the program terminates, follow steps three through eight again.