

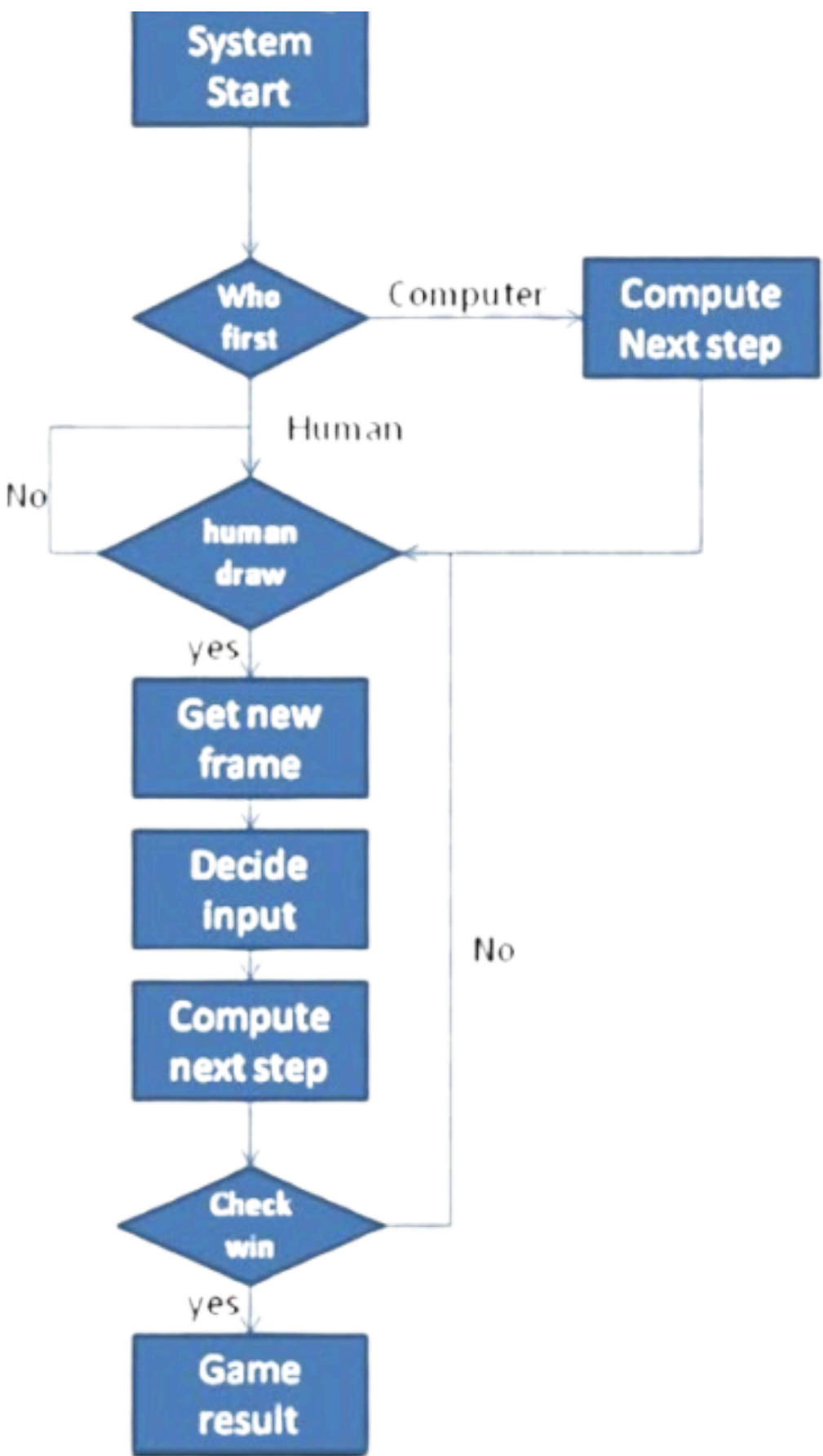
TIC TAC TOE GAME

Tic Tac Toe is a game that was popularly played on paper or pen using the board. This is a fun game played by people of all ages. But now the digital version is becoming popular to have fun on the same game with friends. In this article, we will learn to write a program that allows a person to play tic tac toe against the computer

- Components of Tic Tac Toe Game:**
The working of tic tac toe game is same as traditional tic tac toe having following components:
- **Objective:** To be the first to make a straight line with either 'X' or 'O'.
 - **Game Board:** The board consists of a 3x3 matrix-like structure, having 9 small boxes.
 - **The computer:** Since it is a two-player game each player gets one chance alternatively. i.e.; first player1 than player2.
 - **Moves:** The computer starts the game with O. After that player makes moves alternatively.
 - **Winning:** You win by making your symbol in a row or diagonal or column.

FUTURE SCOPE:
Instead of displaying the output on the console, an attractive GUI can be added to the game with a login and signup system for storing previous data. The game can also be equipped with different levels such as easy, medium and difficult.

FLOW CHART



```
Tic-Tac-Toe
Choose a cell numbered from 1 to 9 as below and play
 1 | 2 | 3
-----
 4 | 5 | 6
-----
 7 | 8 | 9
-----
-   -   -   -   -   -   -   -
-
COMPUTER has put a 0 in cell 0 0
 0 |  | 
-----
  |  | 
-----
  |  | 
-----
Enter your move (1-9): 9
 0 |  | 
-----
  |  | 
-----
  |  | 
-----
COMPUTER has put a 0 in cell 0 2
 0 |  | 0
-----
  |  | 
-----
  |  | 
-----
Enter your move (1-9): 2
 0 | x | 0
-----
  |  | 
-----
  |  | 
-----
COMPUTER has put a 0 in cell 2 1
 0 | x | 0
-----
  |  | 
-----
  | 0 | x
-----
Enter your move (1-9): 5
 0 | x | 0
-----
  | x | 
-----
Skip to content
C Basics  C Data Types  C Operators  C Input and Output  C Control Flow
 0 | x | 0
-----
 0 | x | 
-----
  | 0 | x
-----
Enter your move (1-9): 6
 0 | x | 0
-----
 0 | x | x
-----
  | 0 | x
-----
COMPUTER has put a 0 in cell 2 0
 0 | x | 0
-----
 0 | x | x
-----
 0 | 0 | x
-----
COMPUTER has won
```

CONCLUSION
We have built a Tic-Tac-Toe using the C programming language. Tic Tac Toe is a game that is played by people of all ages. It has been developed using the C programming language. Any purpose-driven decision maker can have intelligence as a trait. A Tic Tac Toe algorithm has been presented in the system and tested, and it has proven to be effective.chiefly the system is free of errors

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