**Logic to find the winner of tic-tac-toe game**

|  |  |  |
| --- | --- | --- |
| 0 | 1 | 2 |
| 3 | 4 | 5 |
| 6 | 7 | 8 |

Array starts from zero so we will take our first entry from zero onwards.

We have 2 players they are cross (X) and circle (O)

**To check the winner:**

There are 8 possibilities to win, we will check the 3 consecutive index number of array with same icon i.e. our players cross (X) and circle (O).

They are:

0-1-2

3-4-5

6-7-8

0-3-6

1-4-7

2-5-8

0-4-8

2-4-6

So we will put the if-elseif loop the check the 3 consecutive array index number with players icon i.e (X) or (O).

So if any of these possibilities gets true.

The winner will be declared.