

int main()

sq

0
X 0
X X
3
X X
X 0
X 0
7
8

choice

2 5 4
6

player

1 2 X
1

gamestatus

1

mark

X O X O X

player = (1 % 2) ? 1 : 2 → 1
 2 % 2 9 1 : 2 → 2
 1 % 2 2 1 : 2 → 1
 2 % 2 9 1 : 2 → 2
 1 % 2 9 1 : 2 → 1

if mark = player == 1
 1 == 1 ✓
 mark = 'X'
 else
 mark = 'O'

markboard (char mark)

- choice == 2 && sq[2] == '2'
sq[2] = mark (X)
- choice == 5 && sq[5] == '5'
sq[5] = 'O'
- choice == 4 && sq[4] == '4'
sq[4] = 'X'
- choice == 1 && sq[1] == '1'
sq[1] = 'O'
- choice == 8 && sq[8] == '8'
sq[8] = 'X'

check for win()

return value

0 - 1

① all conditions false for first 5 turns so it return 0
 ⑥ 8th condition true
 sq[3] == sq[5]
 && sq[5] == sq[7]
 return 1

displayboard()

player 1 (X) - player 2 (O)

0	1	1	2
3	4	5	
6	7	8	

player 1, enter num : 2

0	1	1	X
3	4	5	
6	7	8	

player 2 enter num : 5

0	1	1	X
3	4	1	O
6	7	8	

player 1 enter num : 4

0	1	1	X
3	X	1	O
6	7	8	

```
if gamestatus == 1  
    1 == 1 ✓  
    print("player 1 win")
```

display board
player 2 enter num:1

0	1	0	1	X
<hr/>				
3	1	X	1	0
<hr/>				
6	1	7	1	8

player 1 enter num:6

0	1	0	1	X
<hr/>				
3	1	X	1	0
<hr/>				
X	1	7	1	8

player 1 win