Tic Tac Toe Game

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# create board to place X or O
#creating board with the help of list with length 9
#define the board as function so that in order to print it again we just have to
define function
row=["","","","","","","","",""]
def print_board():
  print(row[0:3])
  print(row[3:6])
  print(row[6:])
#Introduce the game and the rules
print('Welcome to Tic Tac Toe!')
print("Consider a board with the nine positions numbered as follows")
#creating a sample board to explain the positions i.e from 1 to 9
Sample_board=["1","2","3","4","5","6","7","8","9"]
#Asking player for input as in to where they want to place X or O and to make
the input as integer.
move = int(input("which position do you want to put x in?"))
#check if somebody has already taken that position
print("That space has been taken")
#otherwise ,place the X in that position
     move = int(input("which position do you want to put x in?"))
    if row[move-1]== " ":
       row[move-1] = "x"
```

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#create loop so that it keeps on asking to put X or O
or Else says "place has been taken"
while game ==1:
  while go != 1:
    #this explain position of x
    move = int(input("which position do you want to put x in?"))
    if row[move-1]== " ":
       row[move-1] = "x"
       qo = 1
    else:
       print("That space has been taken")
go=0
# Reset the loop for player 2 i.e. O ,so that it asks O to place the O
#reset the loop to go back to X
go=0
#introduce conditions for win or draw
#import library sys so that we can exit the game after its a draw or win.
#introduce a variable count so that if count reaches 9 and nobody has won
then it goes to "Game Draw"
#everytime an X or O is placed Count Increases by and once count reaches 9
with no one winning (conditions later)
#show Game over its a draw and system exit
   if count == 9:
    print("Game over,it's a draw")
    sys.exit()
#specifying conditions for win and printing who has won and doing sys exit
  #this explains the condition when x will win
    if row[0] == "x" and <math>row[1] == "x" and row[2] == "x":
         print("X wins")
         board()
    elif row[3] =="x"and row[4] == "x" and row[5] =="x":
         print("X wins")
         board()
```

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elif row[6] =="x"and row[7] == "x" and row[8] =="x":
     print("X wins")
     board()
elif row[0] == "x" and <math>row[3] == "x" and row[6] == "x":
     print("X wins")
     board()
elif row[1] =="x"and row[4] == "x" and row[7] == "x":
     print("X wins")
     board()
elif row[2] =="x"and row[5] == "x" and row[8] == "x":
     print("X wins")
     board()
elif row[0] == "x" and <math>row[4] == "x" and row[8] == "x":
     print("X wins")
     board()
elif row[2] =="x"and row[4] == "x" and row[6] =="x":
     print("X wins")
     board()
```

#same to be done for O

#by the board function add sys.exit() so that every time board is priced after win it automatically ends and exit.