#include <stdio.h>

int main (void)

{

int i = 0;

int player =0;

int go =0;

int row =0;

int colum =0;

int line =0;

int winner =0;

char board[3][3]=

{

{'1','2','3'},

{'4','5','6'},

{'7','8','9'}

};

for(i=0; i<9&&winner==0; i++){

printf("\n\n");

printf(" %c | %c | %c\n",board[0][0],board[0][1],board[0][2]);

printf("---+---+---\n");

printf(" %c | %c | %c\n",board[1][0],board[1][1],board[1][2]);

printf("---+---+---\n");

printf(" %c | %c | %c\n",board[2][0],board[2][1],board[2][2]);

player = i%2+1;

do{

printf("\n");

printf("player%d, Enter The Number Of The Box, "

"Where You Want To Place Your %c:",player,(player==1)?'X':'O');

scanf("%d",&go);

row = --go/3;

colum = go%3;

}

while(go<0 || go>9 || board[row][colum]>'9');

board[row][colum] = (player==1)?'X':'O';

if((board[0][0]==board[1][1]&&board[0][0]==board[2][2])||

(board[0][2]==board[1][1]&&board[0][2]==board[2][0]))

winner = player;

else

for(line=0; line<=2; line++)

if((board[line][0]==board[line][1]&&board[line][0]==board[line][2])||

(board[0][line]==board[1][line]&&board[0][line]==board[2][line]))

winner = player;

}

printf("\n\n");

printf(" %c | %c | %c\n",board[0][0],board[0][1],board[0][2]);

printf("---+----+---\n");

printf(" %c | %c | %c\n",board[1][0],board[1][1],board[1][2]);

printf("---+----+---\n");

printf(" %c | %c | %c\n",board[2][0],board[2][1],board[2][2]);

if(winner==0)

printf("\nOh No! Match Draw.\n");

else

printf("\nplayer %d, Yes! You Won.\n",winner);

}