

```

import java.util.Scanner;
class Tic_Tac{

static Scanner A=new Scanner(System.in);
static int row,col;
static char bd[][]=new char[3][3];
static boolean flag=true;

void prbd(){
System.out.println();
for(int c=0;c<3;c++){
for(int d=0;d<3;d++){
System.out.print(bd[c][d]+" | ");
System.out.println();
}
}

static boolean in(){
row=A.nextInt()-1;
col=A.nextInt()-1;
if((row<=3&&col<=3)&&bd[row][col]==0)
{

return true;
}

System.out.println("Invalid Entry ,retry");
in();
return true;

}

boolean check(){
if(((bd[0][0]==bd[0][1]&&bd[0][1]==bd[0][2])&&(bd[0][0]!=0))||
((bd[1][0]==bd[1][1]&&bd[1][1]==bd[1][2])&&(bd[1][0]!=0))||
((bd[2][0]==bd[2][1]&&bd[2][1]==bd[2][2])&&(bd[2][0]!=0))||
((bd[0][0]==bd[1][0]&&bd[1][0]==bd[2][0])&&(bd[0][0]!=0))||
((bd[0][1]==bd[1][1]&&bd[1][1]==bd[2][1])&&(bd[0][1]!=0))||
((bd[0][2]==bd[1][2]&&bd[1][2]==bd[2][2])&&(bd[0][2]!=0))||
((bd[0][0]==bd[1][1]&&bd[1][1]==bd[2][2])&&(bd[0][0]!=0))||
((bd[0][2]==bd[1][1]&&bd[1][1]==bd[2][0])&&(bd[0][2]!=0)))
{
return true;
}
else
return false;
}

void putting(int r,int co,char c){
bd[r][co]=c;
prbd();
if(check()==true){
System.out.println("   "+c+" WON\n---By. Akarsh---");
System.exit(0);
}
}

public static void main(String ak[]){
Tic_Tac ob=new Tic_Tac();

```

```
Scanner A=new Scanner(System.in);
int i=1;
System.out.println("-----Welcome-----");
System.out.println("Enter row(1-3) and col(1-3)");
do
{

    if(i%2==0){
    if(in())
    ob.putting(row,col,'X');
    }
    else{
    if(in())
    ob.putting(row,col,'O');}
    i++;
    }
    while(i<=9);
    System.out.println("-----END-----");

}
}
```