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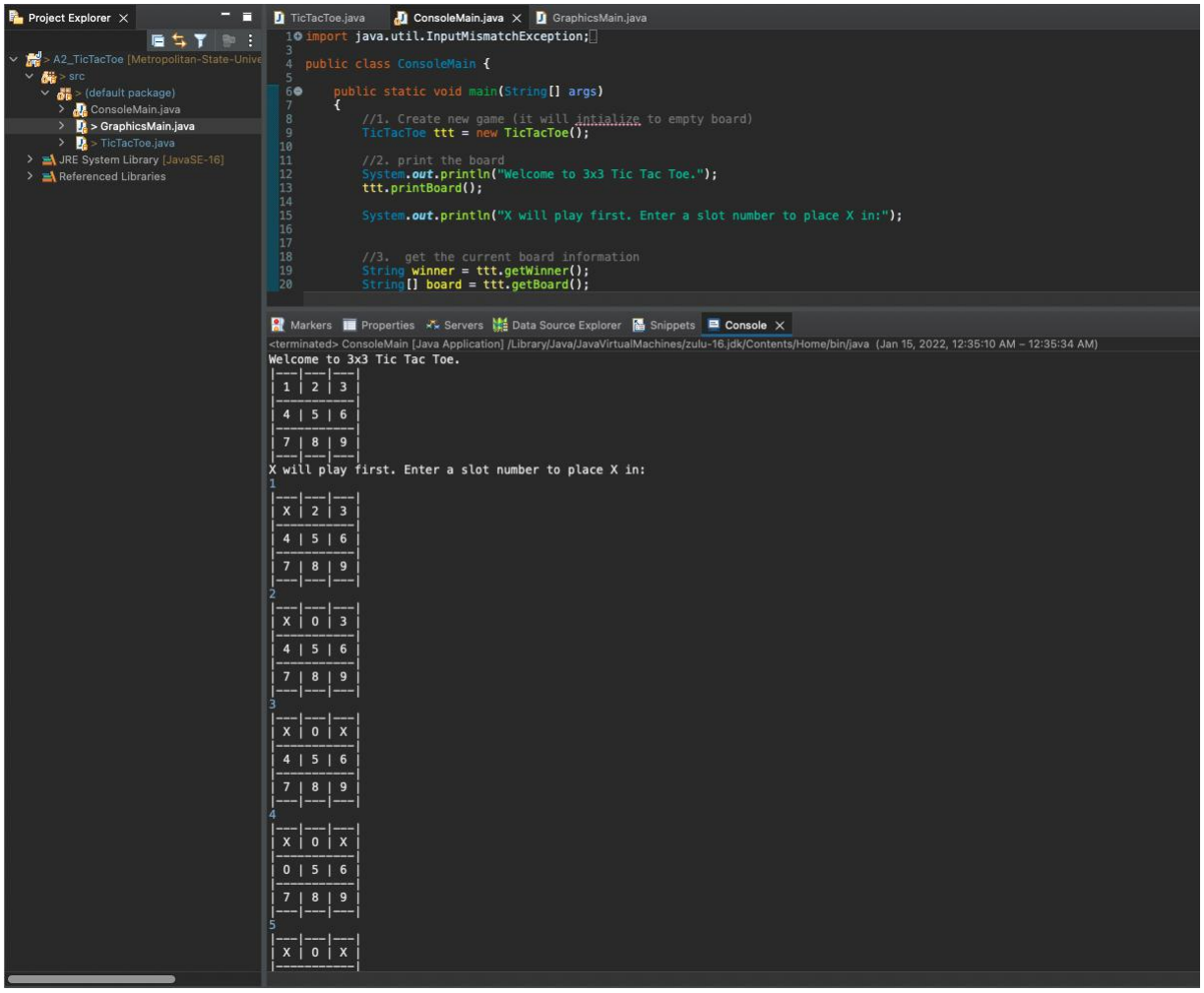
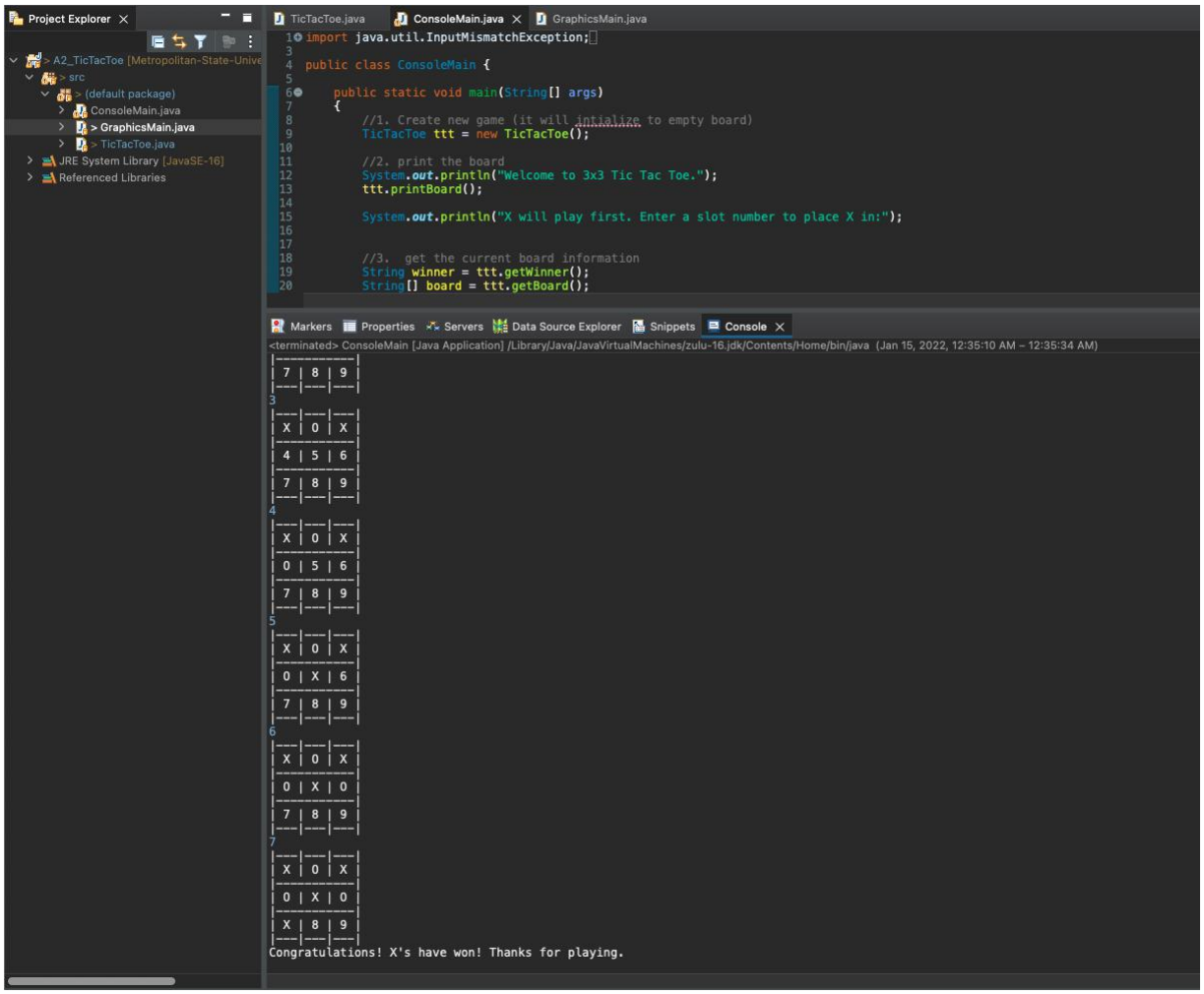
ICS 499- 01 — Software Engineering and Capstone Project

Assignment #1

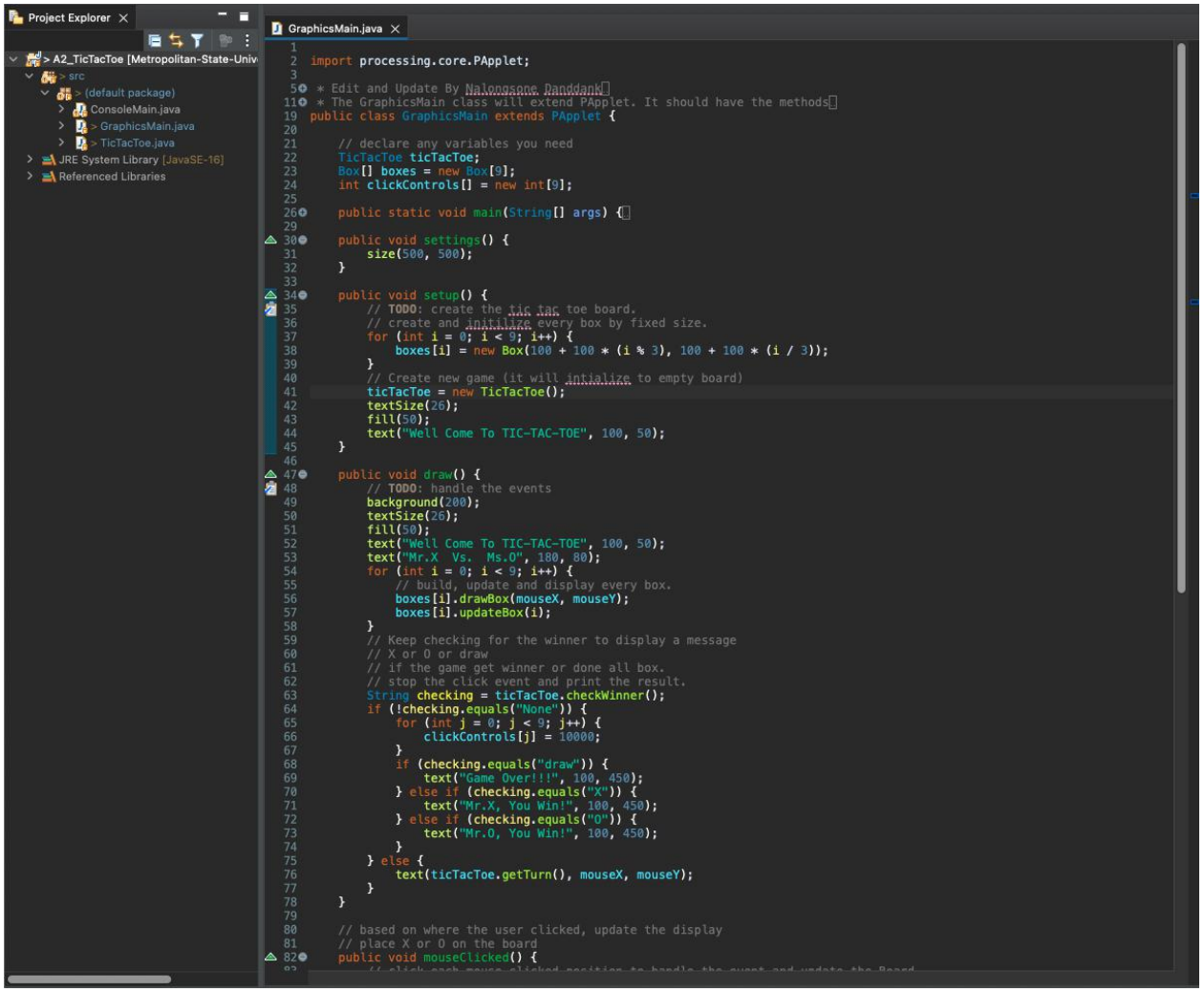
The result of GraphicsMain.java:

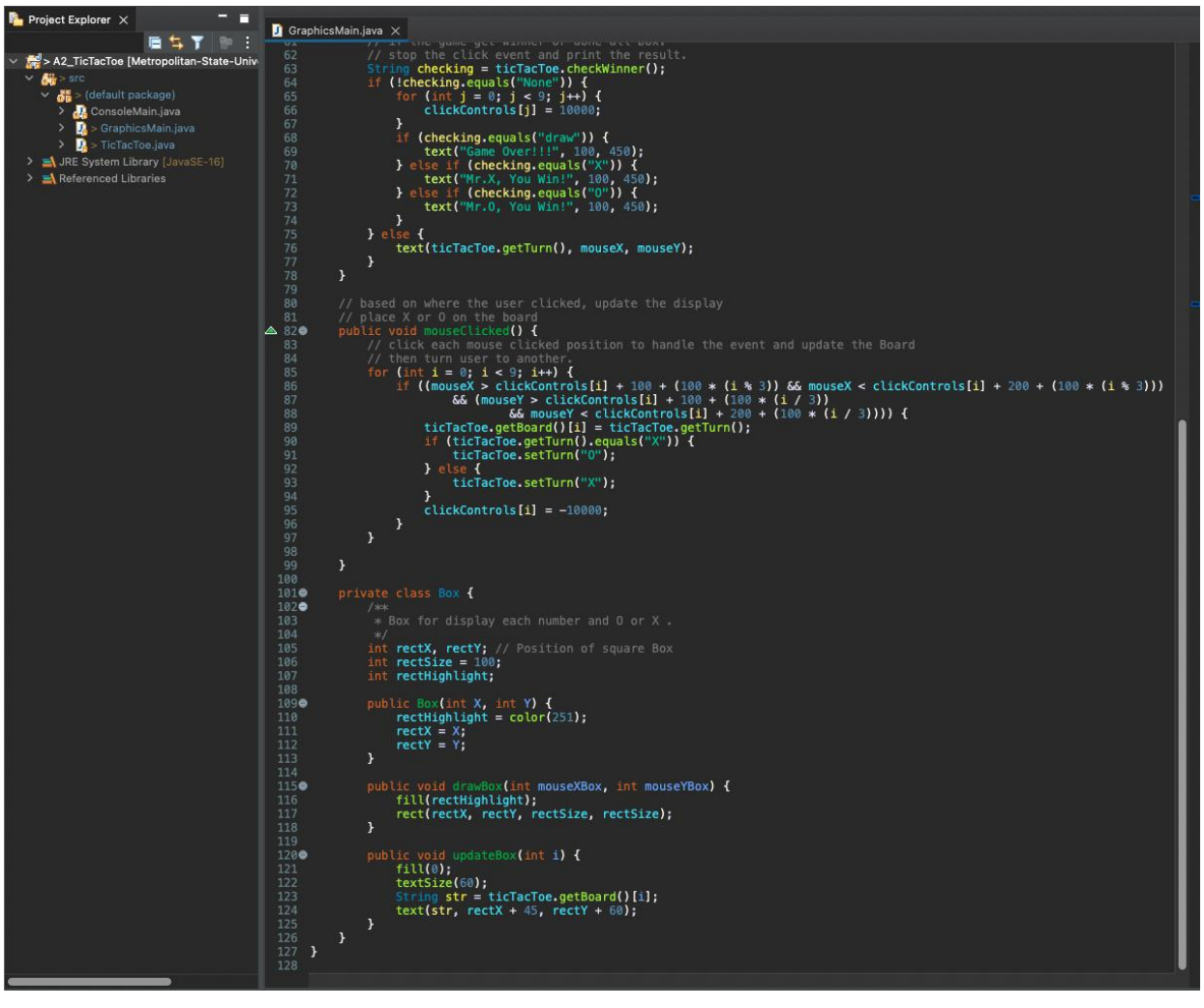
The result of ConsoleMain.java:



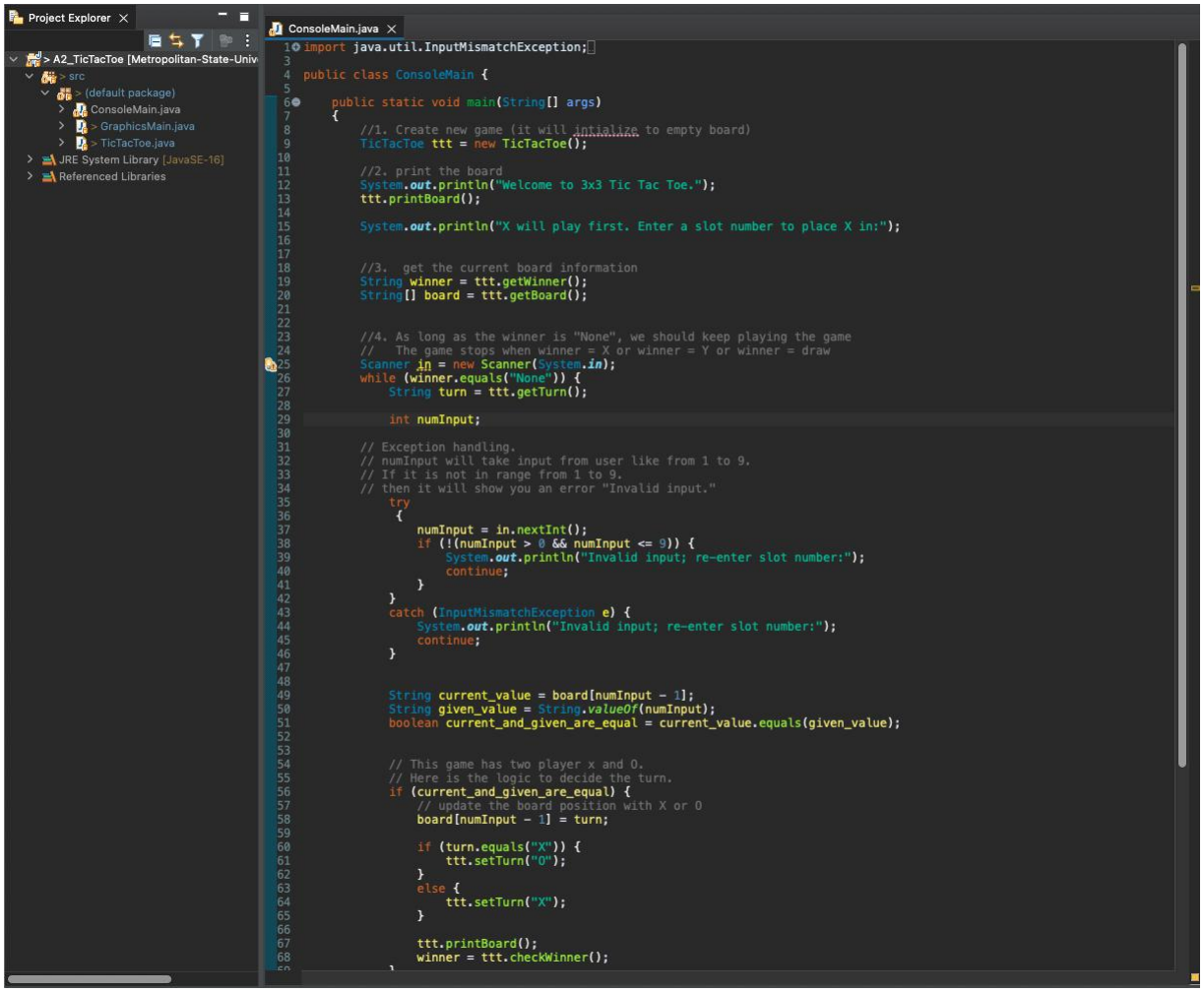


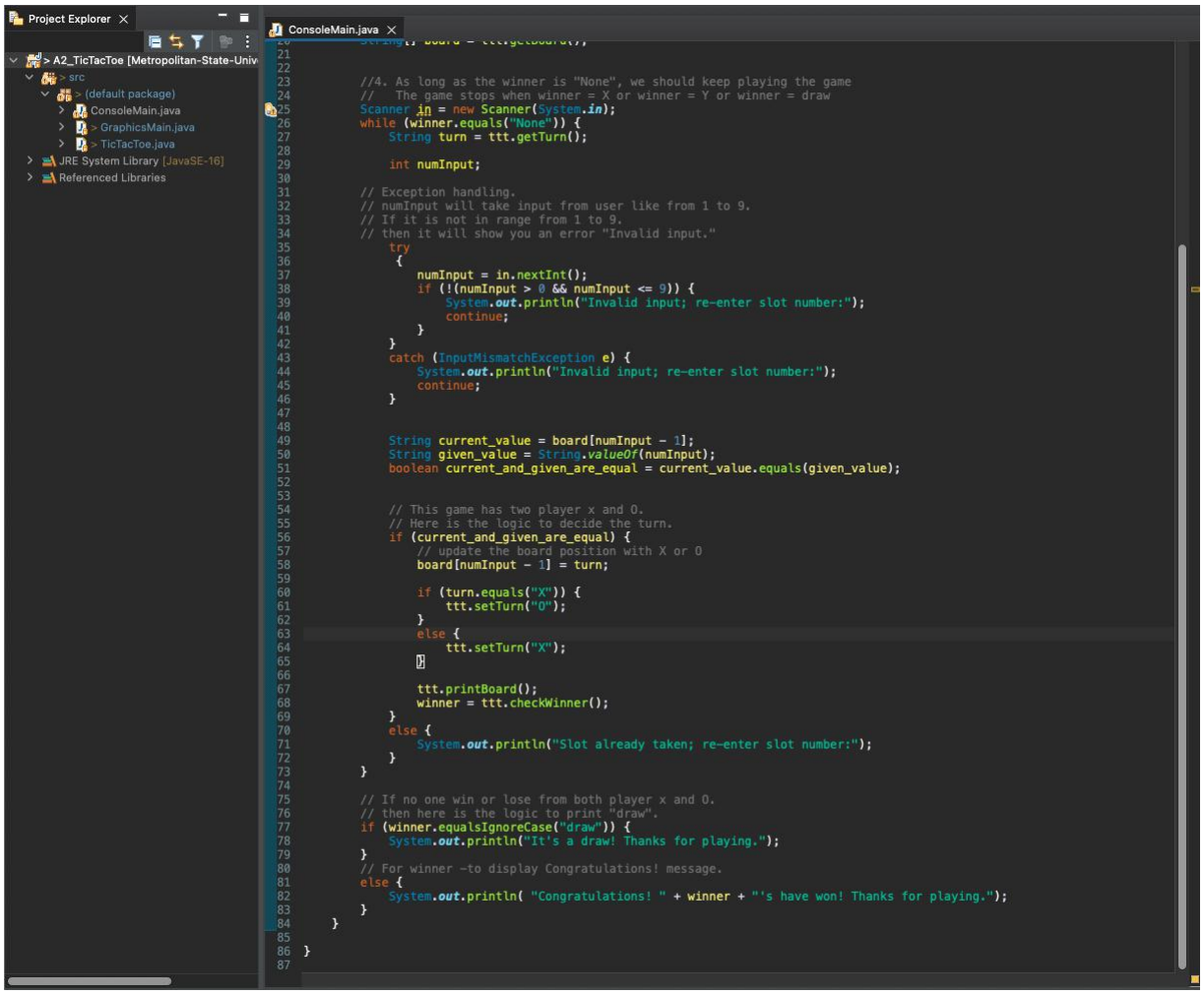
GraphicsMain.java



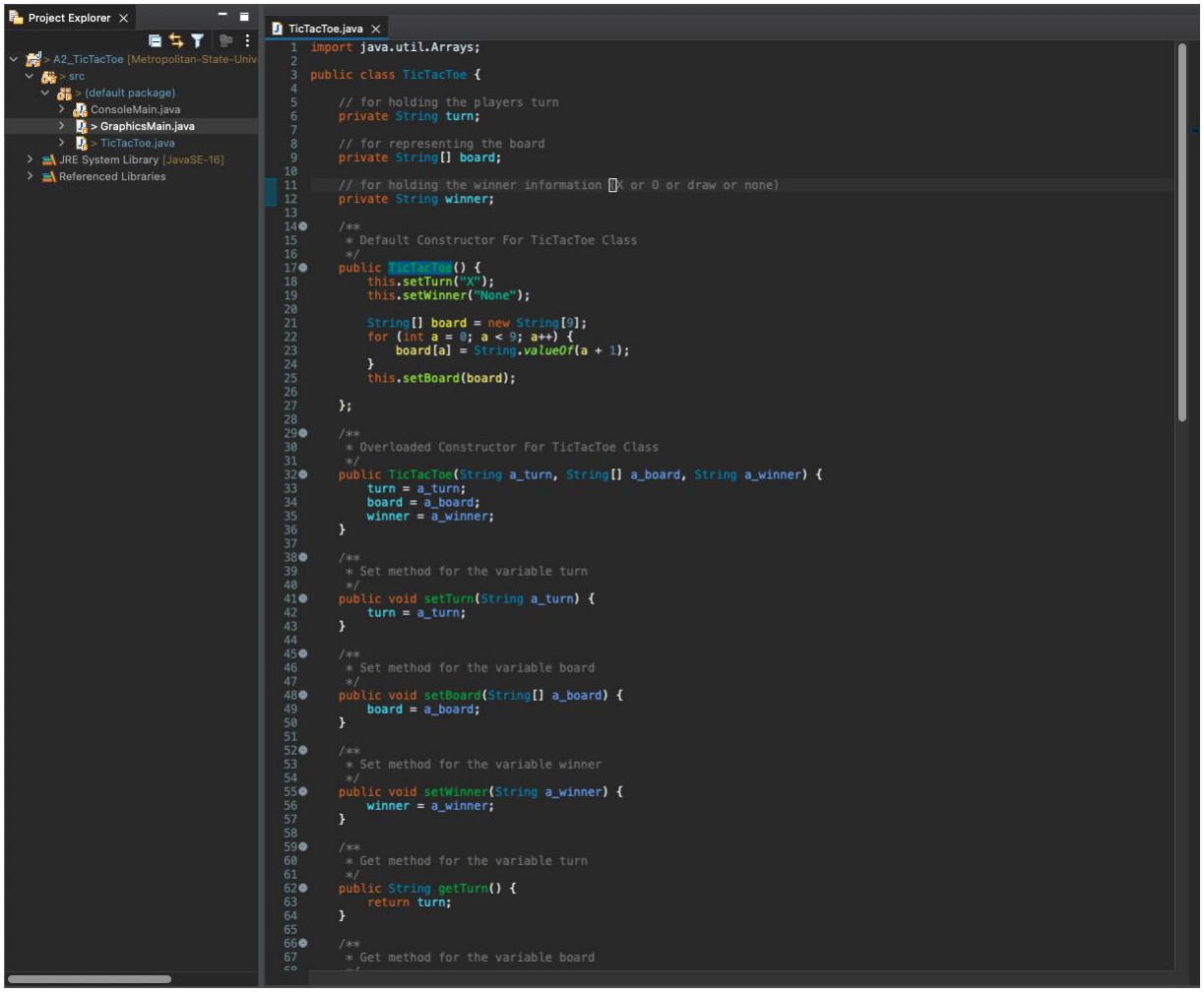


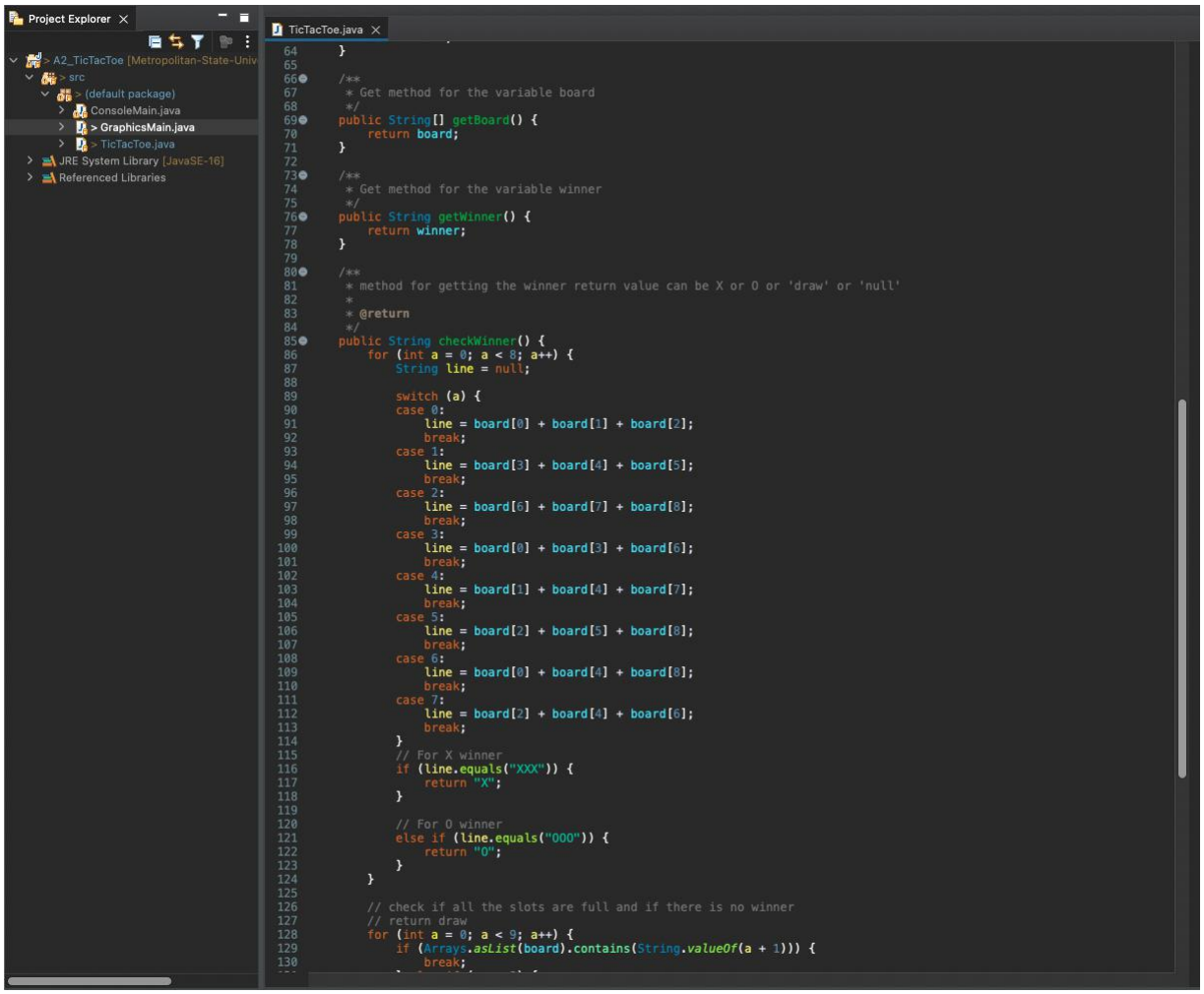
ConsoleMain.java

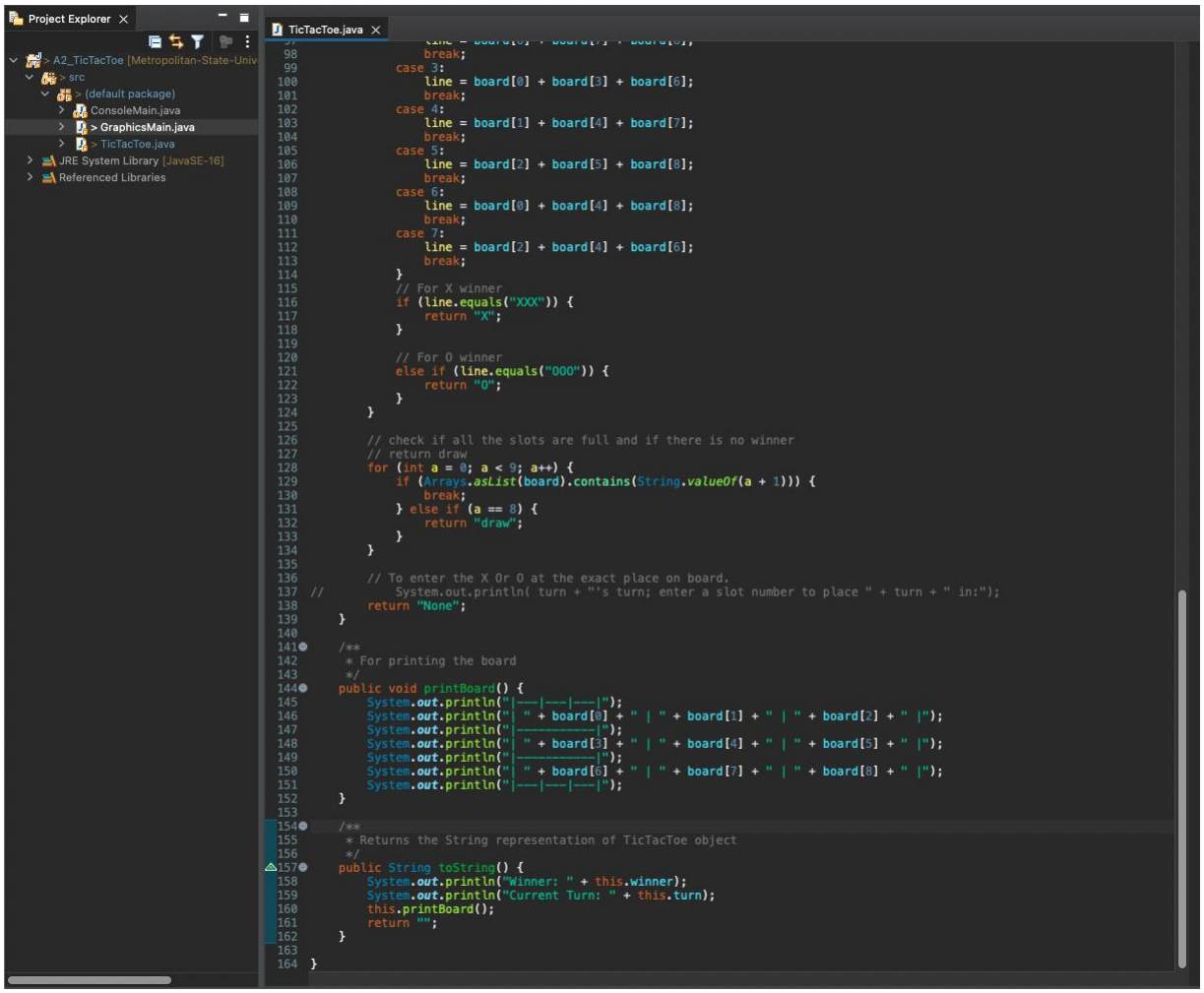




TicTacToe.java






Project Explorer
A2_TicTacToe [Metropolitan-State-Univ
src
(default package)
ConsoleMain.java
GraphicsMain.java
TicTacToe.java
JRE System Library [JavaSE-16]
Referenced Libraries
TicTacToe.java
break;
case 3:
line = board[0] + board[3] + board[6];
break;
case 4:
line = board[1] + board[4] + board[7];
break;
case 5:
line = board[2] + board[5] + board[8];
break;
case 6:
line = board[0] + board[4] + board[8];
break;
case 7:
line = board[2] + board[4] + board[6];
break;
}
// For X winner
if (line.equals("XXX")) {
return "X";
}
// For O winner
else if (line.equals("OOO")) {
return "O";
}
}
// check if all the slots are full and if there is no winner
// return draw
for (int a = 0; a < 9; a++) {
if (Arrays.asList(board).contains(String.valueOf(a + 1))) {
break;
} else if (a == 8) {
return "draw";
}
}
// To enter the X Or O at the exact place on board.
// System.out.println(turn + "'s turn; enter a slot number to place " + turn + " in:");
return "None";
}
/**
* For printing the board
*/
public void printBoard() {
System.out.println("|---|---|---|");
System.out.println("| " + board[0] + " | " + board[1] + " | " + board[2] + " |");
System.out.println("|-----------|");
System.out.println("| " + board[3] + " | " + board[4] + " | " + board[5] + " |");
System.out.println("|-----------|");
System.out.println("| " + board[6] + " | " + board[7] + " | " + board[8] + " |");
System.out.println("|---|---|---|");
}
/**
* Returns the String representation of TicTacToe object
*/
public String toString() {
System.out.println("Winner: " + this.winner);
System.out.println("Current Turn: " + this.turn);
this.printBoard();
return "";
}
}