**Tic-Tac-Toe**

GitHub Projects

Hristo Kovachev, Vesela Dekova, Teodor Karchev and Kaloqn Pazlamachev

HPKovachev19@codingburgas.bg, VBDekova19@vodingburgas.bg, TTKarchev19@codingburgas.bg, KNPazlamachev19@codingburgas.bg

Mentor: EMMateva18@codingburgas.bg

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# Information

The people, which are a part of this project, are:

* Hristo Kovachev, 9A class, e-mail: HPKovachev19@codingburgas.bg;
* Vesela Dekova, 9A class, e-mail: EMMateva@codingburgas.bg;
* Teodor Karchev, 9B class, e-mail: TTKarchev19@codingburgas.bg;
* Kaloqn Pazlamachev, 9B class, e-mail: KNPazlamachev19@codingburgas.bg;

Mentor: Emma Mateva, 9G class, e-mail: EMMateva18@codingburgas.bg

# Content

We’ve made a game, which is a type of a Tic-Tac-Toe game. The game contains a heading “This is Tic-Tac-Toe”. Then “Press 1 to start” and “Press 0 to start”. When you start the game you are directed to the board and you can type the number of the slot and place either “X” or “O”.

2.1. Short description of the project

As we already said after the starting of the game, the application is showing easy understandable menu. You have to press “1” to start a game and “0” to end it. After starting the game you can choose to play with either “X” or “O”. When neither one of the “X” or “O” wins, the application shows “draw”. The game is played by two people and not against a bot.

## 2.2. Description of the elements used

* 1: By typing “1” in the game menu the application starts the Tic-Tac-Toe game.
* 0: By typing “0” after the game has finished, you end up the Tic-Tac-Toe game.
* X : When you play the game and choose the element “X” you have to place it in a certain way so there are three of the “Xs” in either horizontal, vertical or diagonal row so you can win.
* O : When you play the game and choose the element “O” you have to place it in a certain way so there are three of the “Os” in either horizontal, vertical or diagonal row so you can win.
* Draw: When neither of “Os” or “Xs” wins, the game shows “draw”-that means that the game has no winner.

### 3. Purpose

|  |  |
| --- | --- |
| Functions and elements | Designation |
| Char Win() | Function that Is used for the Tic-Tac-Toe |
| Void () | Function that is used for the Tic-Tac-Toe |
| X | Element that is used in the game |
| O | Element that is used in the game |
| Draw | When none of the players win, the program shows “draw” |
| 1 | Declaration that is for starting the game |
| 0 | Declaration that is for ending the game |

### 3.1. Comments

* Char Win: //first player
* Char Win: //second player

### Return Value

The type of “return” we use mostly is “return 0”. We use it to stop the chosen function when the wanted data is been displayed. To output the data, we use “cout”.

## Description of the application

**Tic-Tac-Toe** is a paper-and-pencil game for two players, *X* and *O*, who take turns marking the spaces in a 3×3 grid.The game requires skills such as: strategy; tactics and observations.

* This is a game, which was mainly created for fun, and developing different skills. As we already said after the starting of the application, the app is showing a menu. Then you press “1 ” to start the Tic-Tac-Toe game and after that you choose to be “X” or ”O”. U have to order the Os and Xs in either horizontal, vertical or diagonal row so you can win. You are not playing against a bot. If none of the players wins the program will show you “draw”.