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| --- | --- | --- |
| Variables | DataType | Comment |
| P1Name | String | To store the players names |
| P2Name | String | To store the players names |
| PlayerTurn | Boolean | To check whos turn it is player 1 or 2 |
| Data Structures | Type of structure | Comment |
| positions | dictionary | To store positions of each player positions and to display the grid |
| draw() | function | Draws the grid |
| win() | function | Check if anyone has one the game. |

The players will interact with the grid by writing 1-9 in the console, which goes in the order of 1-2-3

4-5-6

7-8-9

|  |  |  |  |
| --- | --- | --- | --- |
| Test Num | Description of Test | Test data | Expected outcome |
| 1 | Testing if player1 can win horizontal |  |  |
| 2 | Testing if player1 can win vertical |  |  |
| 3 | Testing if player1 can win diagonal |  |  |
| 4 | Testing if player2 can win horizontal |  |  |
| 5 | Testing if player2 can win vertical |  |  |
| 6 | Testing if player2 can win diagonal |  |  |
| 7 | If it’s possible to draw |  |  |