Coding Challenge 3

Questions:

1. What are the most challenging aspect of the coursework task?

So, by looking at the tic tac toe coursework there are varieties of most challenging aspects like Proper Implementation of winning strategy for the computer and player as well, Handling ties or draws in the game, creating a user-friendly interface so that it will be pleasing for the user to play, Allowing for customizable board sizes, etc. Implementing the multiple function on this coursework can be a serious headache for those who are unclear to the concepts of Functions in python. Another problem can be the link between two provided python files in which noughtsandcrosses.py and game.py are there. Game.py is the main file, which is actually completed, and we have to complete another module which is noughtsandcrosses.py and link that main module with this module.

2. How did you go about completing the task?

So, in order to complete this coursework initially I went through the provided coursework where I knew the proper way of managing the code that is in the systematic order creating functions for each steps and secondly, I watched videos on YouTube on different channels like code with harry and gathered the knowledge on how implementation of code is done in python. I also went through different websites so that I could gain more knowledge and more ways and different ideas for the implementation of this coursework. I thought to give it a try from oops, but it would be way difficult and most importantly we were not allowed to do on our way since the criteria or the must to do conditions were provided. Finally I revised all my doubts through the lecture slides related to functions and file handling and completed this coursework.

3. What have you learned over the course of completing this coursework task?

Eventually, the coursework is completed, and I learnt a lot of stuffs while working with this coding challenge. It was a way difficult than the previous encryption and decryption that is Caeser Cipher but was to the level of MergeSort in java. Though it was supposed to be easy but it is really tough if you don't know basics of python. I have the following points which indicates what I learnt from this particular coding challenge:

1. I learnt how casual and simple game can be developed from Python.
2. I learnt to work with dictionaries in Python.
3. I learnt to write to and read from files in Python.
4. I learnt to manipulate and display data stored in dictionaries.
5. I learnt to organize code into functions.