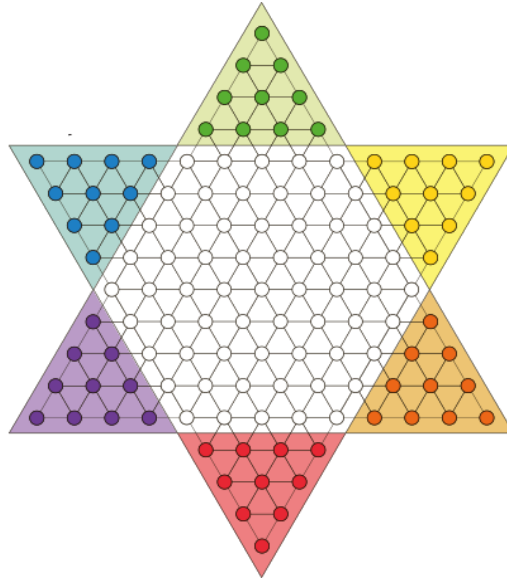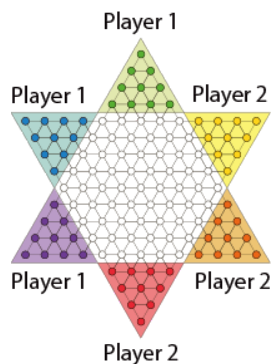# Assignment on Chinese Checker

Description

Chinese checkers can be played by up to 6 players. However, we will implement only a 2 players game version for this project. The game board is basically a star with six edges. Each edge contains a different colored set of 10 marbles as seen in the above picture. The first player will own three colored sets and the second player will own the remaining three colored sets.

For example:

- Player 1 will own **Green**, **Blue** and **Purple** sets
- Player 2 will own **Red**, **Orange** and **Yellow** sets

Object

The object of the Chinese checkers is to **get all of your marbles to the opposite point of the star**. The first player to do this wins.
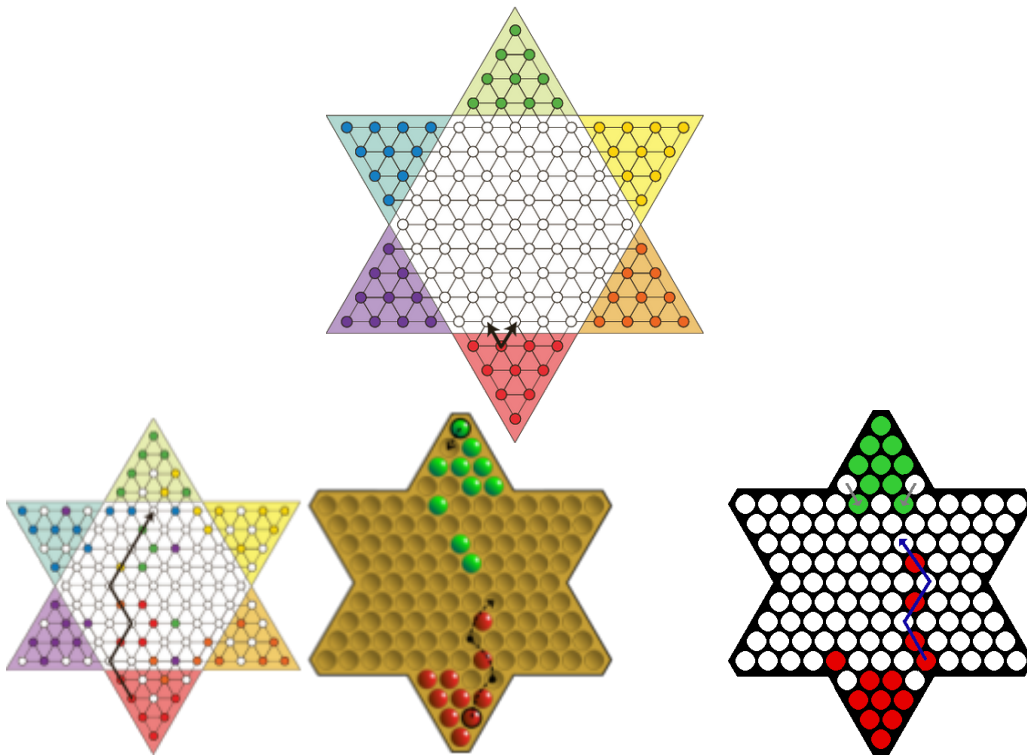
For example, For player 1 to win:

1. He must move all green marbles to the other opposite side of the star (Replacing red marbles).
2. He must move all blue marbles to the other opposite side of the star(Replacing orange marbles)
3. He must move all purble marbles to the other opposite side of the star(Replacing yellow purple marbles)

How the game goes on

Players take turns moving their pieces across the board. During a player's turn:

1. They can move their piece to any **adjacent empty hole**.

2. A player's piece can also **hop over an adjacent piece, into an empty hole**. That piece can be their own colored piece or the opponent piece. The player can **continually hop over subsequent pieces** during that turn, and in any direction, as long as there are empty holes on the other side of those pieces.

In the above picture, it's acceptable to drop the marble while hoping **at any empty hole on the black arrows**.

You are required to implement the checker game using these

aspects:

1. Star gameboard as seen in the above figures.
2. 6 colored sets. Each set contains 10 marbles.
3. 2 Players, Human vs PC. Each player will own 3 colored sets and human plays first.
4. After each move, print the updated game in a well organized format.
5. Please provide a readme file for this.
6. Implement the GUI using the following link:

   GUI for Chinese Checkers

   The above link,contains two .py files:

   Board.py- This file contains the code to draw the required board by using class tkinter.