<<<Chess game>>>>

Game flow:

- Each player can arrange their characters on their end in any order. They will have 5 pawns to start with and will need to deploy all of them at the start of the game.
- The input for initial character positions will be taken as a list of character names, placing them from left to right on the starting lanes. Once this process is complete for both the players, they can start making moves.
- The application then takes move inputs from the players, alternating between the players, updating the game state in the process.
- Input move format: <character_name>:<move> (e.g. P1:L, P2:R, P3:F, P3:B)
- An invalid input move should be handled and prompted to the user(Invalid input format) and make the player retry their turn.

Invalid moves for a player:

- 1. Input command on a character that does not exist
- 2. Character going out of grid bounds.
- 3. Invalid move presented for a given character.
- 4. Targeting a friendly character, i.e a character from our own team.
- After every turn a 5 by 5 grid is displayed populated by characters.
- Prefix character names with player names upon displaying the grid. (Player A's characters should be prefixed by A-, ex:- A-P1, A-P3)
- The game ends when one *player* (winner) manages to kill all *characters* of their opponent. The winner is prompted. The players can then choose to play another game.

Example cli flow:

The application prompts for user input. Player 1 selects their characters.

The characters are valid and can be placed on the grid, the resulting grid is displayed.

Player 2 is asked to select and place their characters on the grid.

Player2 Input: P2, P1, P3, P5, P4

Current Grid:

B-P2	B-P1	B-P3	B-P5	B-P4
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
A-P3	A-P2	A-P5	A-P4	A-P1

The players can now start making turn based moves, the application halting for user info. Player A chooses to move P1 forward. The grid stays up to date with the current game state.

Player A's M Current Grid				
B-P2	ь. В-Р1 -	B-P3	B-P5	B-P4
_	_	_	_	_
- .	_	_	_	A-P1
A-P3	A-P2	A-P5	A-P4	-
Player A's M Current Grid				
B-P2	B-P1	B-P3	B-P5	-
-	-	-	-	B-P4
-	-	-	-	-
-	-	-	-	A-P1
A-P3	A-P2	A-P5	A-P4	-
Player B's M Current Gric				
B-P2	л. В-Р1	B-P3	B-P5	_
D-1 Z	-	Б-1 3 -	Б-I 3 -	B-P4
_	_	_	_	A-P1
_	_	_	_	-
A-P3	A-P2	A-P5	A-P4	-
Player B's M				
Current Grid	d:	D D2	D D5	
•		B-P3	B-P5	-
Current Grid	d:	B-P3 -	B-P5 -	- - D D4
Current Grid	d:	B-P3 - -	B-P5 - -	- - B-P4

This move registers a kill and removes 'A-P1' from the grid, it's place gets taken by 'B-P4'.

Implementing all the requirements specified above makes you eligible for level 2:

Level 2:

Add the following character types to the game:

- 1. Hero1: In one move, it moves 2 blocks straight in any direction, and **kills anything** in its path
- 2. Hero2: In one move, it moves 2 blocks diagonally in any direction, and **kills anything in its path**

H1:L means Hero1 to left, H2:FL means move H2 to forward-left direction

Implement all R,L,F,B for H1 and FL, FR, BL, BR for H2

Level 3:

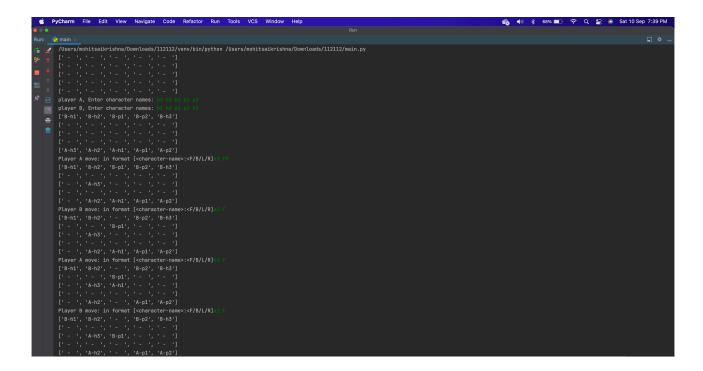
Add another character type:

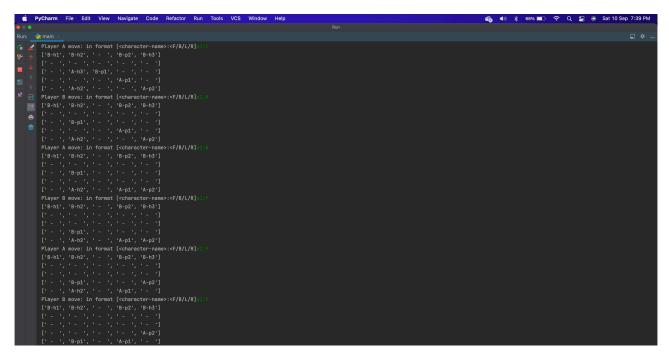
Hero 3: In one move, it moves 2 steps straight and one to the side, and kills only where it finally lands

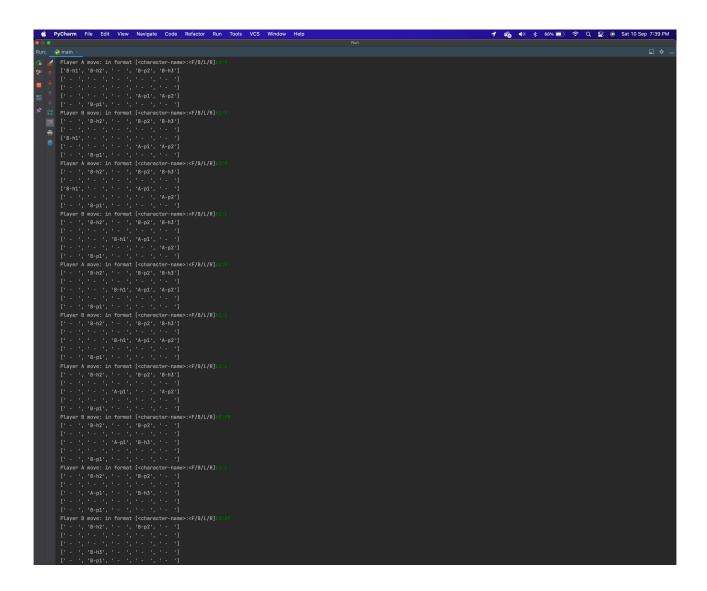
H3:FR means it moves 2 steps front and one to the right, H3:RF means it moves 2 steps right and one to the front

Implement all FL, FR, BL, BR, RF, RB, LF, and LB for H3

- · A board is created and displayed first to the user
- · Take inputs from the user a and user b their character names
- And displaying the board again after that
- Take input from player a character name followed by move it's going to make and make changes and show the modified board
- · Do the same with player b
- · These continue until either all A's or all B's are gone







Player B won!!