

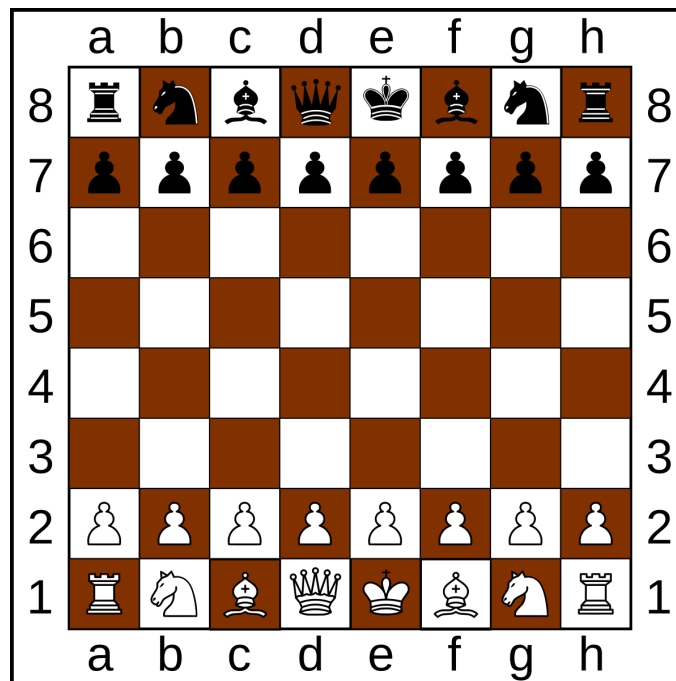
Q2 Player Chess Game

Problem :

You are to program a 2 Player Chess game in a command line environment.

Assumptions

1. The players takes chances alternatively.
2. Consider the Chess board as shown below, and each square is denoted as **<Num><Alphabet>**



For example "**d8**" denotes the position of **Black Queen** in the board.

- To start the game, set all the coins as shown in the image.
- Player 1 takes the White coin and Player 2 takes the Black coin.

Task 1 - Game Play :

Choose Coin :

When it is the player's turn, he/she can choose any one of his coin by denoting the position in the board (Eg: **b1** - denotes the white Knight in the left)

Once the position is entered, The system should be able to figure out and print the following

1. The current type of coin (King, Queen, Bishop, Knight, Rook or Pawn)
2. The next set of positions the particular coin will be able to move.
 - a. Each coin has its own logic and moves in a particular fashion.
(https://en.wikipedia.org/wiki/Rules_of_chess#Basic_moves)
 - b. Consider obstructing coin (both white and black)
 - c. Also mention, if any of the opposite coin can be captured.

Move Coin

Now prompt to enter the new position, where the coin should be moved.

- If it is a valid position, move the coin to the new position.

Move the game to player 2 and continue playing the game as mentioned above

Instead of a position, if the user types

- **"exit"** - get out of the game.
- **"Print"** - show the current state of the board.

Task 2 - Printing the Board :

For White Coins

W_K king	W_Q queen	W_R rook, castle	W_B bishop	W_N knight	W_(P) pawn
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For Black coin

B_K king	B_Q queen	B_R rook, castle	B_B bishop	B_N knight	B_(P) pawn
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For Example the Above board is represented as

	a	b	c	d	e	f	g	h
8	B_R	B_N	B_B	B_Q	B_K	B_B	B_N	B_R
7	B_P	B_P	B_P	B_P	B_P	B_P	B_P	B_P
6								
5								
4								
3								
2	W_P	W_P	W_P	W_P	W_P	W_P	W_P	W_P
1	W_R	W_N	W_B	W_Q	W_K	W_B	W_N	W_R

Task 3 - Recording

For Every game - Have a record of each and every move in a separate file.