

NAME :

We simulate a particular card game representing the 4 players by threads 0, 1, 2, and 3. There are four cards, labeled **A**, **B**, **C**, and **D**, distributed so each player has exactly one card. The cards are shuffled before distributing to the four players.

The game is played as follows. First the player who holds card **A** puts the card on the table. Then comes the player with card **B**, followed by the player with **C**, and then finally card **D** is shown by the player who holds it. The shared variable between the players is a list with those cards currently on the table. Players check the cards on the table and print their name when it is their turn to put their card on the table.

1. Write the code for the main program that sets up and simulates the game.

2. Write the code for the `run` in a `Player` thread.