

## Ind. Study and Practicum

**Project name:** “Reading Mind Magic Trick”

**Due Date:** Thursday December 16 at 10:00 AM

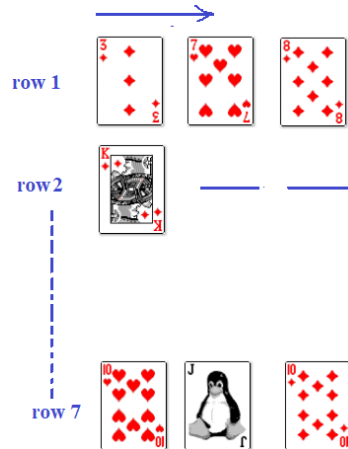
### Project (Major Grade) Description

For this project you are going to implement in JavaScript the “Reading Mind Magic Trick”

Here is how it works:

**Step 1:** Start by shuffling a deck of 21-cards in front of the person you are tricking (will refer to as a friend).

**Step 2:** Then, deal out the cards (one by one) placing them row by row going left to right into 3 piles of 7 cards, all face up (look at the picture below for details)



**Step 3:** Ask your friend to mentally select and remember one of the cards. He must not tell you which card it is.

**Step 4:** Ask your friend which pile contains his card? \*

**Step 5:** Collect all the cards in piles of 7-cards. Make sure you place the pile your friend told you in the middle of the other two piles.

**Step 6:** Repeat step 2

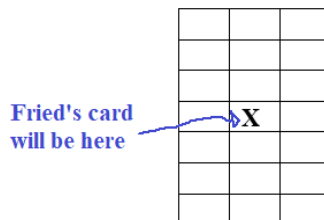
**Step 7:** Repeat step 4. \*

**Step 8:** Repeat step 5.

**Step 9:** Repeat step 2.

**Step 10:** Repeat step 4. \*

**Step 11:** Repeat step 2.



**Step 12 (the end):** Tell your friend his card is the one in the middle row and middle pile (as shown in the figure above).

*\*Step where you ask your friend which pile contains his card (a total of 3 times)*

## **Project Requirements**

You need to implement this project using an HTML, JavaScript, and CSS file.

### **Grade**

***Design*** (25 pts): Selection of colors, font, placement of elements on your html page

***Reliability*** (40 pts): Your application gives the right results all the time.

***Efficiency*** (25 pts): Your code is split into manageable coherent functions that perform a single clear task.

***Code Readability*** (10 pts): Code must be indented properly, and variables and methods are given meaningful names.

**Good luck Amigos...**