WDC FINAL PROJECTS

Deli Counter

The local deli is putting in a new computerized queue to keep track of their customers and improve productivity. At the beginning of the day, the deli is empty so the queue should be represented by an empty array. Build an array of objects that holds the customer's name, and what they ordered. Build a function that puts a string containing what the person ordered and a string containing the name of the person wishing to join the line in the array. Build a function that displays everyone's current place in line on an HTML table. If there is nobody in line, it should say "The line is currently empty.". Remember that people like to count from 1, not from 0 ("zero") like computers. Build a function which should call out (i.e. display on the webpage) the next person in line and then remove them from the front. If there is nobody in line, it should call out (display on the webpage) that "There is nobody waiting to be served!".

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JavaScript Calculator

Simple Calculator

Get three inputs from the user, two numbers and the mathematical operation that will be performed on the numbers (+, -, *, /). You may use the input elements for each input or display a grid of buttons that will correspond to its labeled number or operation (much like an actual calculator will resemble). Have an enter button that will perform and display the operations after the inputs are filled. Display finally result on screen.

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Advanced Calculator

Display a grid of buttons that will correspond to its labeled number or operation (much like an actual calculator will resemble). When a number/operation is clicked its value will go to the stack, i.e. an array. When enter is clicked perform all operations stored in the stack. Keep in mind the order of operations. Multiplication and division should always be evaluated before addition and subtraction, no matter that order they are inputted. Display finally result on screen.

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BlackJack

Blackjack is a card game where the player (you) and the dealer bet to see who can get closes to 21 without going over. At the start of the game the player and the dealer is given two random cards from the deck (var deck = ['A', '2', '3', '4', '5', '6', '7', '8', '9', '10', 'J', 'Q', 'K']). Assume the deck has an infinite amount of cards and no suits. The two cards are then evaluated (J's, Q's, and K's have the value 10. A's can either have the value 1 or 11). If anyone gets 21 they automatically win. If not, then the player is given the option to Hit or Stay. If they player Hits, another card is given to them and their hand is reevaluated. If they get 21 they win but if they go over 21 they bust, which means they lose. If they Stay, both the players and dealers cards are reevaluated and whoever is closest to 21 wins. Every game the player is given the option to

lower or raise their bet. If they win they get earn what they betted, if they lose they lose what they betted, if there is a tie nothing happens.
Hint use this to get random number from 0 to 12: parseInt(Math.random()*13)

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