1. Write a script to take three numbers from the user and display the greatest number out of three.

2. Complete the following function called count that takes an array of integers and the size of the array, and return the number of items in the array that is greater than 13 and less than 29.

3. Develop an Online Greetings Designer using Javascript and CSS. Add options to

   i) change the image
   ii) Position the image (left, background, right)
   iii) Edit text
   iv) Change font size
   v) Change font color

4. A parking garage charges a $2.00 minimum fee to park for up to three hours. The garage charges an additional $0.50 per hour for each hour or part thereof in excess of three hours. The maximum charge for any given 24-hour period is $10.00. Assume that no car parks for longer than 24 hours at a time. Write a script that calculates and displays the parking charges for each customer who parked a car in this garage yesterday. You should input from the user the hours parked for each customer. The program should display the charge for the current customer and should calculate and display the running total of yesterday's receipts. The program should use the function calculate-Charges to determine the charge for each customer. Use a text input field to obtain the input from the user.

5. Develop a word decoder challenge game using HTML, CSS and JavaScript. Present the player with a set of scrambled word & hint and challenge him to unscramble them. For each attempt randomly select a word, refresh the browser window dynamically and display the scrambled word in red. Once the player thinks the word has been properly decoded, he clicks on the Check Answer button to see the results. If

the answer is correct, the player is notified via a success message displayed in a popup dialog window or displays a failure message.

6. Write a Java script code to check if the number entered in text field is half increasing and half decreasing and display the output in a para.

Case1:

Input : 12321

Index	0	1	2	3	4
digit	1	2	3	2	1

Total no. of digits in the input is 5

So 5/2 = 2, digits at 0, 1, 2 – increasing, digits at 3 , 4 decreasing

Output

The number is half increasing and half decreasing

Case2:

Input : 321678

Index	0	1	2	3	4	5
digit	3	2	1	0	7	8

Total no. of digits in the input is 6

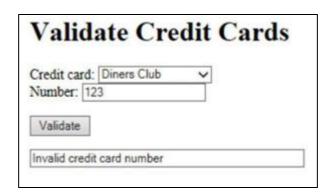So 6/2 = 3, digits at 0, 1, 2 ,3– decreasing, digits at 4 , 5 increasing

Output:

The number is half increasing and half decreasing

7. Implement an online quiz application using javascript. The timer is set for each question/entire quiz. The app should display the results of the user at the end of quiz.

8. Create a script that uses regular expressions to validate credit card numbers. Major credit card numbers must be in the following formats:

- American Express—Numbers start with 34 or 37 and consist of 15 digits.
- Diners Club—Numbers begin with 300 through 305, or 36 and 38 and consists of 14 digits .

- Discover—Numbers begin with 6011 or 65 and consist of 16 digits.

- JCB—Numbers beginning with 2131 or 1800 consist of 15 digits, while numbers beginning with 35 consist of 16 digits.

- MasterCard—Numbers start with the numbers 51 through 55 and consist of 16 digits.

- Visa—Numbers start with a 4; new cards consist of 16 digits and old cards consist of 13 digits.

Validate Credit Cards

Credit card: Diners Club ▾
Number: 123

Validate

Invalid credit card number

9.   Design a table in the format given below using HTML and Jquery selectors. Apply different background for odd and even rows of the table. Apply different CSS for table header using jquery selector.

First Name	Last Name	City	State
Mannix	Bolton	Merizo	Michigan
Suki	King	Fairmont	Oklahoma
Shelby	English	Durham	Arkansas
Portia	Burns	Princeton	Rhode Island
Dacey	Young	Covina	South Carolina
Clark	Reyes	Grand Rapids	New Jersey
Maris	Decker	Sierra Madre	Georgia

10.   Design the following web page and write the Jquery code to do the following:

Blue Cow by Gelett Burgess (published in The Lark, 1895)

I never saw a **Blue** Cow, I never hope to see one; But I can tell you, anyhow, I'd rather see than be one.

Change the cow's color to: Purple   Change!

The desired behaviour of the above page is when the button is clicked, all occurrences of the word **Blue** should be changed to the text specified in the input field. Example - The input field currently has the world **Purple**.

11.   The Name Numeral is the Chaldean destiny Number.This is the digit that describes who you are and what you are or what you become.This is the sum of all name numbers of alphabets. Reduce the sum to single digits; add the single digits; and reduce them again to a single-digit number, which is your destiny number. If at any time you encounter a Master number, 11, 22 or 33, do not reduce it to a single-digit number.

How to calculate Destiny Number:
For Example
Name Text box: TEENA
Now look at the Numerology Number chart to find out the corresponding digit

Numerology Number Chart

1	2	3	4	5	6	7	8
A	B	C	D	E	U	O	F
I	K	G	M	H	V	Z	P
J	R	L	T	N	W		
Q		S		X			
Y							

T	E	E	N	A
4	5	5	5	1

Now add these digits, and reduce to a single digit unless it is a master number.

Sum of values = 20 (This said to be compound number)

Single digit = 2+0 = 2

The Chaldean destiny number is - 2

Chaldean destiny Number	Personality
1	You radiate with a dynamic and efficient energy.
2	You appear friendly and unpretentious.
3	You are uplifting, inspiring, and charming.
4	You love the intimacy, consistency, and the security a family provides
5	You are a stimulating person.

6	You radiate understanding and compassion
7	You seem mysterious and different.
8	You appear strong and powerful.
9	You have an impressive and aristocratic bearing.
11	You have worked hard to gain confidence and overcome, at least to some extent, an in-born shyness.
22	You radiate reliability and consistency.
33	You inspire confidence.

Write a JQuery code to implement the above. The message should be displayed on<h4>.Slide down <h4> in <div>