Syntax:

"she said **\"**goodbye**\"** "

"she said "goodbye" "

"To see the backslash**\\**"

"To see the backslash**\"**

"Hello".length

5

"Hello"[0]

"H"

var name = "rusty"

count = 5;

**while**(count < 50){

**if**(count % 3 == 0 && count % 5 == 0){

console.log(count);

}

count++;

}

**for**(var i = 5; i <= 50; i++){

**if**(i % 5 == 0 && i % 3 == 0){

console.log(i);

}

}

var answer = prompt('Are we there?');

**while**(answer.indexOf('yes') === -1){*//yes does not exist in answer*

answer = prompt('Are we there?');

}

alert("Yay, we made it");

Method:

clear()

alert('Hello')

console.log('Hello')

user = prompt("What's your name?")

"Quan"

Practice:

firstName = prompt("Waht's your first name?");

lastName = prompt("What's your last name?")

fullName = firstName + lastName;

age = prompt("How old are you?");

alert('Nice to meet you, ' + fullName);

console.log('Also great to meet you, ' + fullName);

guess = prompt('Guess a number');

**if**(Number(guess) === secretNo){

alert('You guess right');

} **else**{

alert('Too low. Guess again');

}

function():

**function** sayHi(name){

console.log("Say hi to " + name);

}

sayHi(“Quan”);

sayHi */\*search sayHi()\*/*

* ƒ sayHi(){

console.log("Say hi to " + name);

}

**function** kebabToSnake(yourString){

**var** newStr = yourString.replace(/-/g, "\_");*/\*Replace – by using \_\*/*

**return** newStr;

}

More function()

**var** colors = ["red", "orange", "yellow"];

colors.forEach(**function**(color, i){

console.log(color + " " + i);

});

/\*This is how we declare function\*/

**function** myForEach(arr, func){

**for**(**var** i = 0; i < colors.length; i++){

func(arr[i]);

}

}

/\*The second parameter function will pass to func in above myForEach. When func(arr[i]), which has (), is executed in the function() below\*/

myForEach(colors, **function**(color){

alert(color);

})

########################################################################

Array.prototype.myForEach = **function**(func){

**for**(**var** i = 0; i < **this**.length; i++){

func(**this**[i]);

}

}

**var** friends = ["Charlie", "Dave", "Maddy", "Catilin"];

friends.myForEach(**function**(name){ *//func in line 32 just find the function in line 44 and func(this*[i]*) just does line 45 with name = this*[i]

console.log("I love " + name);

})

########################################################################

Array:

var colors = ["red", "orange", "yellow"]

colors.push("Indigo")

colors.pop()

var nums = [23, 45, 55];

nums.unshift("HELLO");

nums.shift();

colors.indexOf("yellow");

####################################################

var letters = [1, 2, 3, "a", "b", "c", 455, 32];

letters.splice(3, 1)*/\*Remove 1 element from index 3\*/*

* remove “a”

var letters = [1, 2, 3, "a", "b", "c", 455, 32];

letters.splice(2, 0, “d”)*/\*Remove 0 element from index 2 and insert “d”\*/*

[1, 2, “d”, 3, "a", "b", "c", 455, 32]

var letters = [1, 2, 3, "a", "b", "c", 455, 32];

letters.splice(0, 2, “e”, “f”, “g”)*/\*Remove 2 element from index 0 and insert “e”, “f”, “g”\*/*

[“e”, “f”, “g”, 3, "a", "b", "c", 455, 32]

####################################################

var letters = [1, 2, 3, "a", "b", "c", 455, 32];

var letters = nums.slice(3, 6);*/\*Select from index 3 and ends at index 5\*/*

* ["a", "b", "c"]

Object in Array:

###########################################################

var posts = [

{

title: "Cats are mediocre",

author: "Colt",

comments: ["Awesome post", "Terrible"]

},

{

title: "Cats are actually awesome",

author: "Cat Luyr",

comments: ["<3", "Not bad"]

}

]

posts[1].comments[1]

"Not bad"

###########################################################

**var** movies = [

{

title: "In Bruges",

hasWatched: **true**,

rating: 5

},

{

title: "Frozen",

hasWatched: **false**,

rating: 4.5

}

]

movies.forEach(**function**(movie){

**var** result = "You have ";

result += "\"" + movie.title+ "\" - ";

result += movie.rating + " stars"

console.log(result);

}

/\*Instead of writing function(movie) in forEach, you write buildString(movie) and pass it to forEach\*/

**function** buildString(movie){

**var** result = "You have ";

result += "\"" + movie.title+ "\" - ";

result += movie.rating + " stars"

**return** result;

}

movies.forEach(**function**(movie){

console.log(buildString(movie));

})

##############################################################

Add function to object:

**var** obj = {

name: "Chuck",

friends: ["Bob", "Tina"],

add: **function**(x, y){

**return** x + y;

}

}

OR

**var** comments = {};

comments.data = ["Good Job!", "Bye", "Lame..."];

**function** print(arr){

arr.forEach(**function**(i){

console.log(i);

});

}

print(comments.data);

comments.print = **function**(){

**this**.data.forEach(**function**(i){

console.log(i);

})

};

Object:

var dog = {

name: "Rusty",

breed: "Mutt",

age: 3

}

var dog = {};

dog.name = "Rusty";

dog.breed = "Mutt";

dog.age = 3;

dog["age"]

3

dog.age

3