1.

let practicefile = [];

practicefile.push(273.15);

console.log(practicefile);

practicefile.push(42);

console.log(practicefile);

practicefile.push("hello");

console.log(practicefile);

practicefile.push(false,-4.6,"87");

console.log(practicefile);

2.

let  cargohold =['oxygen tanks', 'space suits', 'parrot', 'instruction manual', 'meal packs', 'slinky', 'security blanket'];

console.log(cargohold);

cargohold[cargohold.length-1]="'space tether'.";

console.log(cargohold);

cargohold.pop();

console.log(cargohold);

cargohold.shift();

console.log(cargohold);

cargohold.unshift(1138);

cargohold.push('20 meters');

console.log(cargohold);

console.log('Final-Array : ' +  cargohold,'ArrayLength : '+cargohold.length);

3.

let  cargohold =['oxygen tanks', 'space suits', 'parrot', 'instruction manual', 'meal packs', 'slinky', 'security blanket'];

cargohold.splice(2,0,'key');

console.log(cargohold);

cargohold.splice(cargohold.indexOf('instruction manual'),1)

console.log(cargohold);

cargohold.splice(1,3,'cat','fob','cheese');

console.log(cargohold);

4.

holdCabinet1 =['duct tape', 'gum', 3.14, false, 6.022e23];

holdCabinet2 =['orange drink', 'nerf toys', 'camera', 42, 'parsnip'];

console.log(holdCabinet1.concat(holdCabinet2));

console.log(holdCabinet1.slice(0,2));

console.log(holdCabinet2.slice(0,2));

console.log(holdCabinet1 , holdCabinet2);

console.log(holdCabinet1.reverse());

console.log(holdCabinet2.sort());

console.log(holdCabinet1 , holdCabinet2);

5.

A.

let str='In space, no one can hear you code.';

console.log(str.split());

console.log(str.split('e'));

console.log(str.split('  '));

console.log(str.split(''));

B.

let arr = ['B', 'n', 'n', 5];

console.log(arr.join());

console.log(arr.join(' '));

console.log(arr.join('a'));

C.

6.

let element1 = ['hydrogen', 'H', 1.008];

let element2 = ['helium', 'He', 4.003];

let element26 = ['iron', 'Fe', 55.85];

console.log(table[1], table[1][1]);

7.

/\*. For each of the exercises below, assume you are starting with the following people array.

let people = ["Greg", "Mary", "Devon", "James"];

1.Using a loop, iterate through this array and console.log all of the people. \*/

let people = ["Greg", "Mary", "Devon", "James"];

    for(let i = 0; i < people.lenght; i++)

    {

      console.log(`welcome to array loop class ${people[i]}`);

    }

//2.Write the command to remove "Greg" from the array.

let people = ["Greg", "Mary", "Devon", "James"];

    people.shift()

//3.Write the command to remove "James" from the array.

let people = ["Mary", "Devon", "James"];

    people.pop();

//4.Write the command to add "Matt" to the front of the array.

let people = ["Mary","Devon"];

    people.unshift("Matt");

//5.Write the command to add your name to the end of the array.

let people = ["Matt", "Mary", "Devon"];

    people.push("Pemmy");

//6.Using a loop, iterate through this array and after console.log-ing "Mary", exit from the loop.

//let people = ["Matt", "Mary", "Devon", "Pemmy"];

    for(let i = 0; i < 2; i++){

      console.log(`welcome to array loop class ${people[i]}`);

    }

//7.Write the command to make a copy of the array using slice. The copy should NOT include "Mary" or "Matt".

//let people = ["Matt", "Mary", "Devon", "Pemmy"];

    let slicer = people.slice(2);

    console.log(slicer)

//8.Write the command that gives the indexOf where "Mary" is located.

//let people = ["Matt", "Mary", "Devon", "Pemmy"];

    console.log(people.indexOf("Mary"))

//9.Write the command that gives the indexOf where "Foo" is located (this should return -1).

//let people = ["Matt",Mary",Devon","Pemmy"];

    console.log(people.indexOf("foo"));

//10.Redefine the people variable with the value you started with. Using the splice command, remove "Devon" from the array and add "Elizabeth" and "Artie". Your array should look like this when you are done ["Greg", "Mary", "Elizabeth", "Artie", "James"].

//let people = ["Greg", "Mary", "Devon", "James"];

    people.splice(2, 1, "elizabeth", "artie");

    console.log(people);

//11.Create a new variable called withBob and set it equal to the people array concatenated with the string of "Bob".

let withBob=peole.concat("bob");