**Question 1:**

var employees = [

{ id: 10, name: 'John', experience: 5},

{ id: 15, name: 'Mathew', experience: 7},

{ id: 20, name: 'keith', experience: 12},

{ id: 25, name: 'louis', experience: 5},

{ id: 30, name: 'mark', experience: 4},

{ id: 35, name: 'Ash', experience: 3},

{ id: 40, name: 'robert', experience: 6},

]

Print: All ID’s in an array example: [10, 15, 20, 25, 30, 35, 40]

**Answer**: console.log(employees.map(employee=>employee.id));

Print: TOTAL no of years’ experience they all have

**Answer:** var exp = employees.reduce((acc,current)=>{

return acc+current.experience;

},0);

console.log(exp);

Print: All employees whose experience is greater than 5 years

**Answer**: console.log(employees.filter(employee=>employee.experience>5));

**Question 2:** Fix to Print out ‘Kitty’

let cat = {

catName: 'Kitty',

sayName () {

console.log(this.catName);

}

}

let sayName = cat.sayName;

**Answer:**

let cat = {

catName: 'Kitty',

sayName () {

console.log(this.catName);

}

}

let sayName = cat.sayName();

**Question 3:** Print: ‘Marlabs is in New Jersey’ (DO NOT create variables outside the User class)

class user {

displayName() {

return this.name + ‘ is in ‘ + this.location;

}

}

var user1 = new user(‘Marlabs’, ‘New Jersey’);

console.log(user1.displayName());

**Answer 3:**

class user {

constructor(name,location){

this.name = name;

this.location = location;

}

displayName() {

return this.name + " is in " + this.location;

}

}

var user1 = new user('Marlabs', 'New Jersey');

console.log(user1.displayName());

**Question 4:** Print: ‘My name is Althaf Pattan and I work for Marlabs’

function myName(fName, lName) {

console.log(`my name is ${fName} ${lName}`);

function fullDetails(companyName) {

const value = `my name is ${fName} ${lName} and I work for ${companyName}`

return value;

}

return fullDetails;

}

**Answer 4:**

function myName(fName, lName) {

console.log(`my name is ${fName} ${lName}`);

function fullDetails(companyName) {

const value = `my name is ${fName} ${lName} and I work for ${companyName}`

return value;

}

return fullDetails;

}

var y = myName('Althaf','Pattan').call(this,'Marlabs');

console.log(y);

**Question 5:** Print: ‘Pika Chu loves sushi and algorithms’

var pokemon = {

firstname: 'Pika',

lastname: 'Chu ',

getPokeName: function() {

var fullname = this.firstname + ' ' + this.lastname;

return fullname;

}

};

var pokemonName = function(snack, hobby) {

console.log(this.getPokeName() + 'I choose you!');

console.log(this.getPokeName() + ' loves ' + snack + ' and ' + hobby);

};

**Answer 5:**

var pokemon = {

firstname: 'Pika',

lastname: 'Chu ',

getPokeName: function() {

var fullname = this.firstname + ' ' + this.lastname;

return fullname;

}

};

var pokemonName = function(snack, hobby) {

console.log(this.getPokeName() + 'I choose you!');

console.log(this.getPokeName() + ' loves ' + snack + ' and ' + hobby);

}.bind(pokemon);

pokemonName('sushi','algorithm');

**Question 6:** Print: ‘Marlabs address: New jersey, 08444’

var x = ‘5’;

var promise1 = new Promise(function(resolve, reject) {

if (x = 5) {

let data = {

name: 'Marlabs',

address: {

state: 'NJ',

zip: 084444

}

}

console.log(data);

resolve();

} else {

var res = new Error('failed......');

reject(res);

}

});

var promise2 = function(address) {

var msg = address.state + ' ' + address.zip;

return Promise.resolve(msg);

}

var myFunc = function() {

promise1

.then(promise2)

.then((data) => {

console.log(data);

})

.catch(err => {

console.log(err.message);

});

};

**Answer 6:**

var x = 5;

var promise1 = new Promise(function(resolve, reject) {

if (x == 5) {

let data = {

name: 'Marlabs',

address: {

state: 'NJ',

zip: 084444

}

}

console.log(data.name,'address:');

resolve(data.address);

} else {

var res = new Error('failed......');

reject(res);

}

});

var promise2 = function(address){

var msg = address.state + ' ' + address.zip;

return Promise.resolve(msg);

}

var myFunc = function() {

promise1

.then(promise2)

.then((data) => {

console.log(data);

})

.catch(err => {

console.log(err.message);

});

};

myFunc();