Question 1 - React component that shows the current time to the user.

import {useEffect, useState} from 'react';

function Time(){

const [date, setDate] = useState(new Date());

useEffect(() => {

const timer = setInterval(() => setDate(new Date()))

return () => clearInterval(timer);

});

return (

<p>{`${date.toLocaleTimeString()}`}</p>

);

}

export default Time;

—-------------------------------------------------

Output of this?

console.log(1);

function foo() {

console.log(2);

setTimeout(() => console.log(3/1000), 1000)

setTimeout(() => console.log(3/0), 0)

console.log(4)

}

console.log(5);

foo();

console.log(6);

1

5

2

4

6

3/0

3/1000

—-----------------------------------------------

let num = 1;

const interval = setInterval(

() => {

if(num <=5){

console.log(num);

num += 1;

}else{

console.log('Inside Here')

clearInterval(interval);

}

}

, 1000);

—-------------------------------------------------

const person = {

firstName: 'saranj',

print: function(){

console.log(this.firstName); // saranj

},

print2: () => {

console.log(this.firstName); // undefined

}

}

person.print();

person.print2();

—--------------------------------------

Everything in javascript is an object

function foo(param) {

const name = "Bar"

console.log(name, param);

}

console.log(foo); // f foo

foo('saranj') // Bar saranj

attached an attribute to JavaScript object

foo.age = 50;

console.log(foo); // f foo

console.log(foo.name); // foo return name of function (inbuild name method)

console.log(foo.age); // 50 return user defined attribute

console.log(foo.prototype); // to check all the methods and attributes of function foo

—------------------------------------------------------

function createUser(name) {

return {

name,

greet: function () {

console.log(`Hello ${this.name}`)

}

}

}

const user1 = createUser("Foo")

const user2 = createUser("Bar")

console.log(user1) // {name: 'Foo', greet: f {}}

console.log(user2) // {name: 'Bar', greet: f {}}

user1.greet(); // hello Foo

user2.greet(); // hello Bar

—---------------------------------------------------

function createUser(name) {

const userObj = Object.create(userFunctionStore);

userObj.name = name;

return userObj;

}

const userFunctionStore = {

greet: function() {

console.log(`Hello ${this.name}`)

},

}

const user1 = createUser("Foo")

console.log(user1) //{name: 'Foo'}

console.log(user1.name) // Foo

user1.greet() // Hello Foo

—---------------------------------------

.flexContainer{

Display: flex;

align-item: center;

justify-content: center;

}