

class PensionerChecker{

constructor(pensionAge)

{

Object.defineProperty(this,'PensionAge',{

value:pensionAge,

writable:false

})

}

onClick(){

const age=parseInt(this.inpAge.value)

if(age>=this.PensionAge)

this.resSpan.innerText='Пенсіонер'

else

this.resSpan.innerText='Іди працювати'

}

render(){

const mainDiv= document.createElement('div')

const lbl= document.createElement('label')

lbl.innerText='Введіть вік: '

this.inpAge=document.createElement('input')

this.inpAge.type='number'

lbl.appendChild(this.inpAge)

mainDiv.appendChild(lbl)

this. btn=document.createElement('button')

this.btn.innerText='Перевірити'

this.btn.onclick=this.onClick.bind(this)

mainDiv.appendChild(this.btn)

const div= document.createElement('div')

div.innerText='Результат перевірки: '

this.resSpan=document.createElement('span')

div.appendChild(this.resSpan)

mainDiv.appendChild(div)

return mainDiv

}

}

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class ColoredPensionerChecker extends PensionerChecker {

constructor(pensionAge, colorPensioner='green', colorNotPensioner='red') {

super(pensionAge)

this.colorPensioner = colorPensioner

this.colorNotPensioner = colorNotPensioner

}

onClick() {

super.onClick()

const age = parseInt(this.inpAge.value)

if (age >= this.PensionAge)

this.resSpan.style.backgroundColor = this.colorPensioner

else

this.resSpan.style.backgroundColor = this.colorNotPensioner

}

render() {

const mainDiv = super.render()

this.btn.onclick = this.onClick.bind(this)

return mainDiv

}

}

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<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Document</title>

<script src="./PensionerChecker.js"></script>

<script src="./ColoredPensionerChecker.js"></script>

<script>

window.onload=function(){

// const pensionerChecker= new PensionerChecker(65)

// document.getElementById('container').appendChild(pensionerChecker.render())

const pensionerChecker= new ColoredPensionerChecker(65)

document.getElementById('container').appendChild(pensionerChecker.render())

}

</script>

</head>

<body>

<div id="container">

</div>

</body>

</html>