Question 1: Sum all numbers till the given one

ØQuestion 2: - use recursion to implement print() method

ØUse Object literal to create an object named linkedlist which has the following methods:

Ølinkedlist.add(1)

Ølinkedlist.remove(2) – remove the first one

Ølinkedlist.print() – format: LinkedList{ 1, 2, 5, 7 }

/\*\*

\* Sum all numbers till the given one

\*/

function sum(n) {

if (n <= 1) {

return 1;

}

return n + sum(n - 1);

}

// console.log(sum(6))

/\*\*

\* use recursion to implement print() method

\*/

function print(item){

if(item.length === 0){

return "";

}

return item.charAt(0) + item.substring(1);

}

let s = print("Awaab");

console.log(s);

/\*\*

\* Use Object literal to create an object named linkedlist which has the

\* following methods:

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\*

\*/

let linkedlist = {

value: undefined,

next: null,

add: (item) => {

if(this.value === undefined){

this.value = item;

this.next = null;

}else{

let current = {};

current.value = item;

current.next = null;

this.next = current;

}

},

remove: () => {

current.next = this.node.next;

current.value = this.node.value;

this.node.value = current.value;

this.node.next = current.next;

},

print: () => {

while(this.next != null){

console.log(this.value);

this.next = this.next.next;

}

}

};

linkedlist.add(1);

linkedlist.add(2);

linkedlist.add(3);

console.log(linkedlist.print());