**Module 2 Assignment – JavaScript Language**

Sasanka Vepakomma

Ira A. Fulton Schools of Engineering, Arizona State University

IFT 598: Middleware Programming & Database Security

Prof. Dinesh Sthapit

Due: Sept 10, 2022

Video 1:

A screenshot of a computer

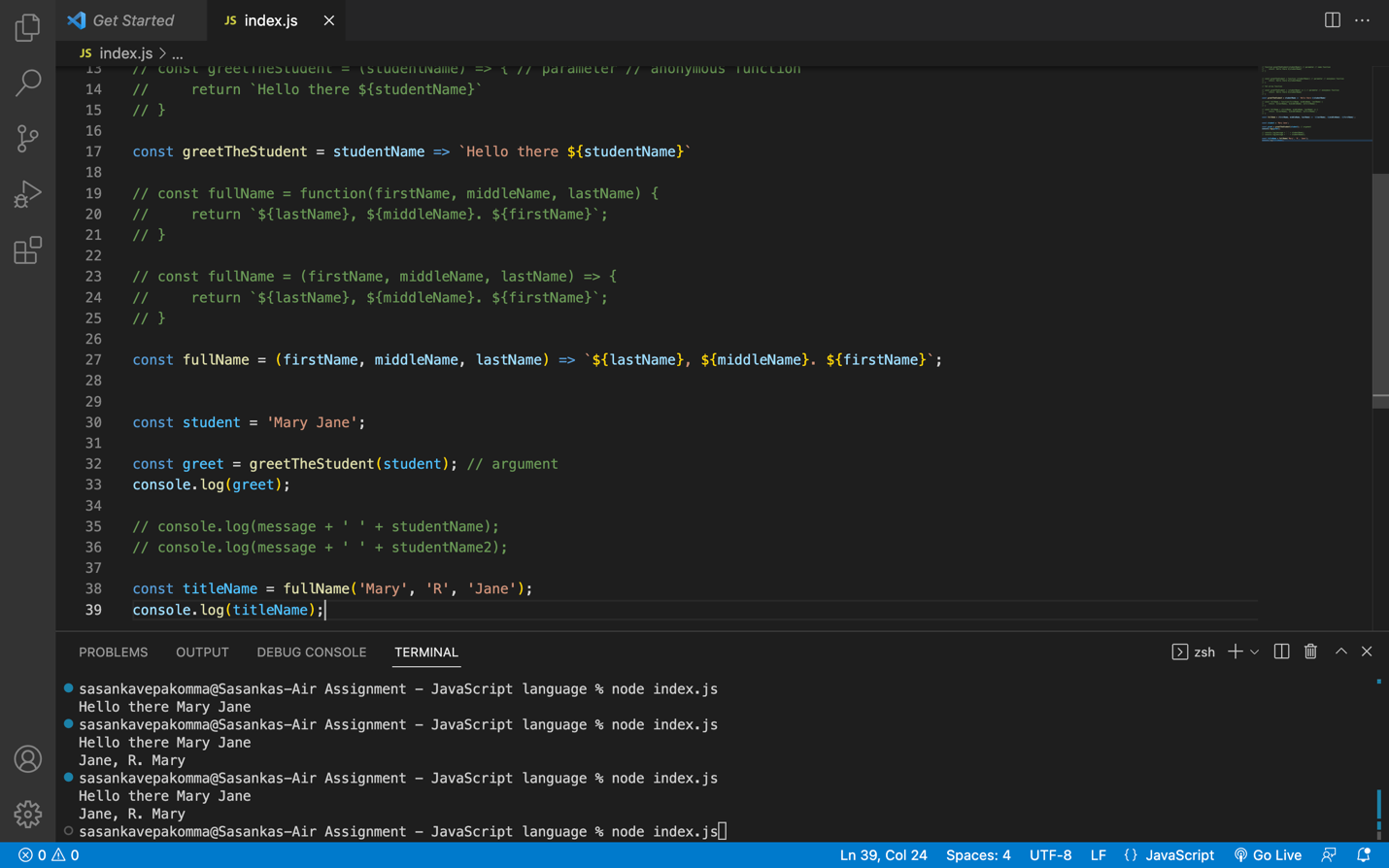
Description automatically generated

Video 2:

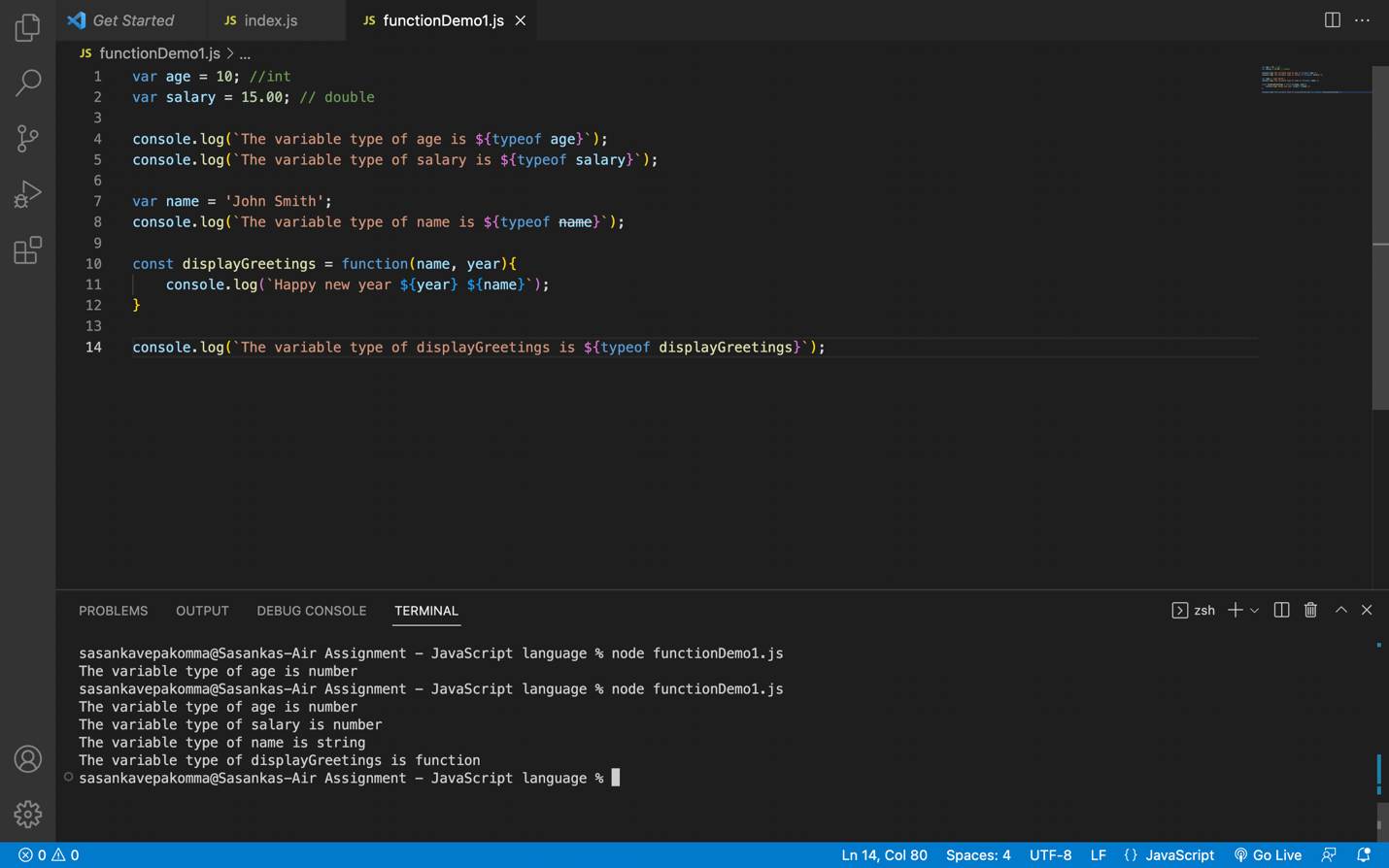
Text

Description automatically generated

Video 3:



Video 4:

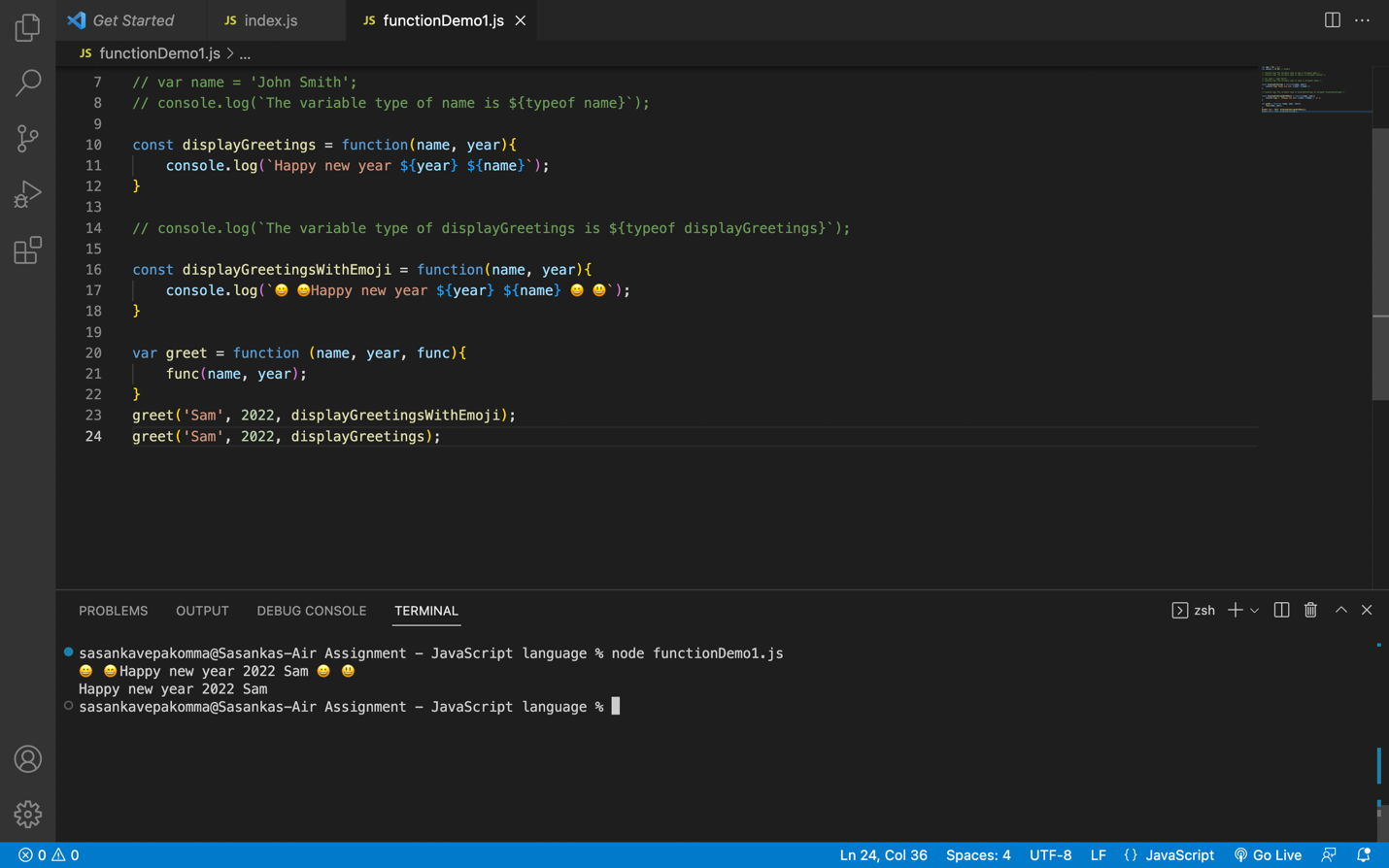


Video 5:

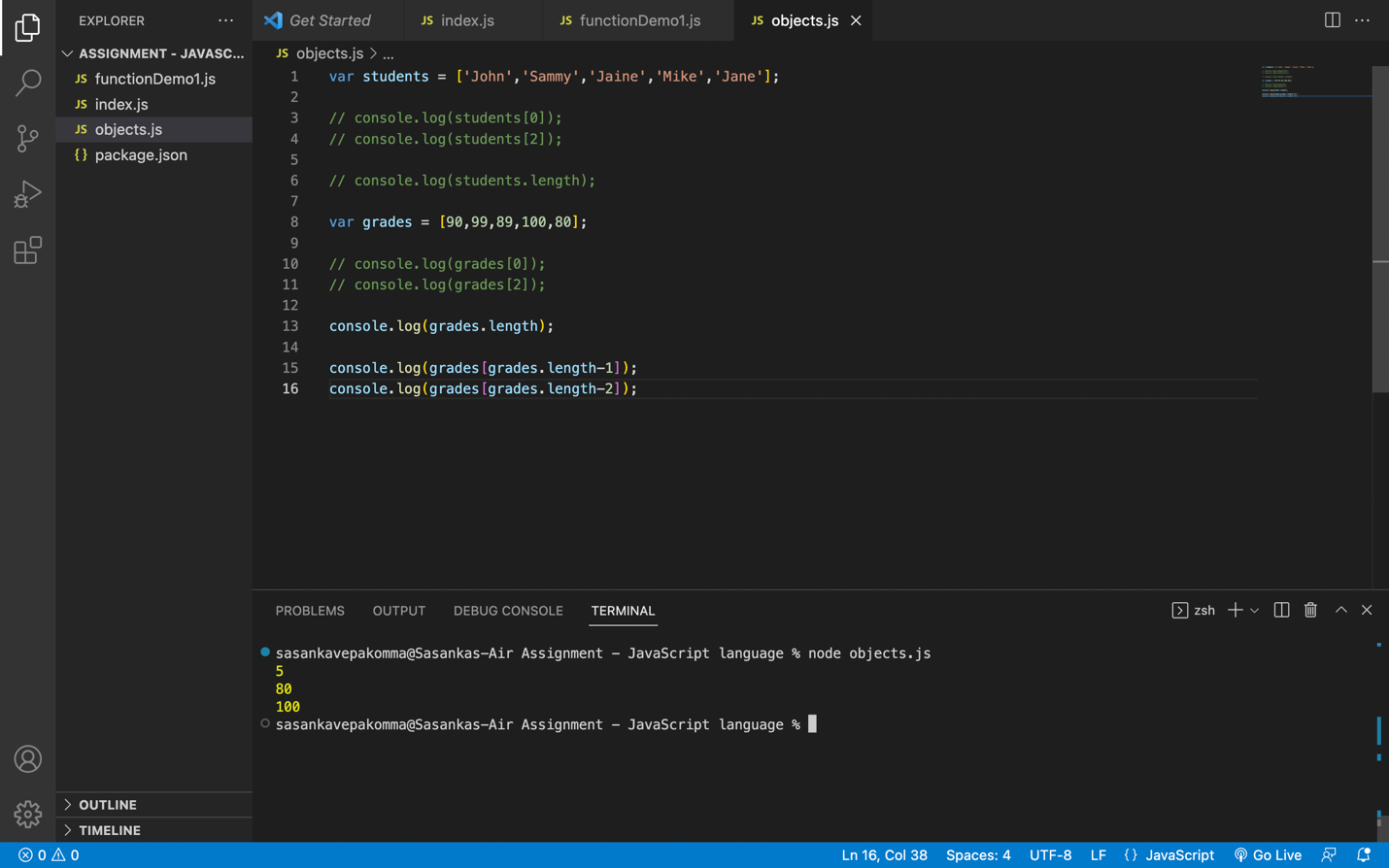
A screenshot of a computer

Description automatically generated

Video 6:



Video 8:

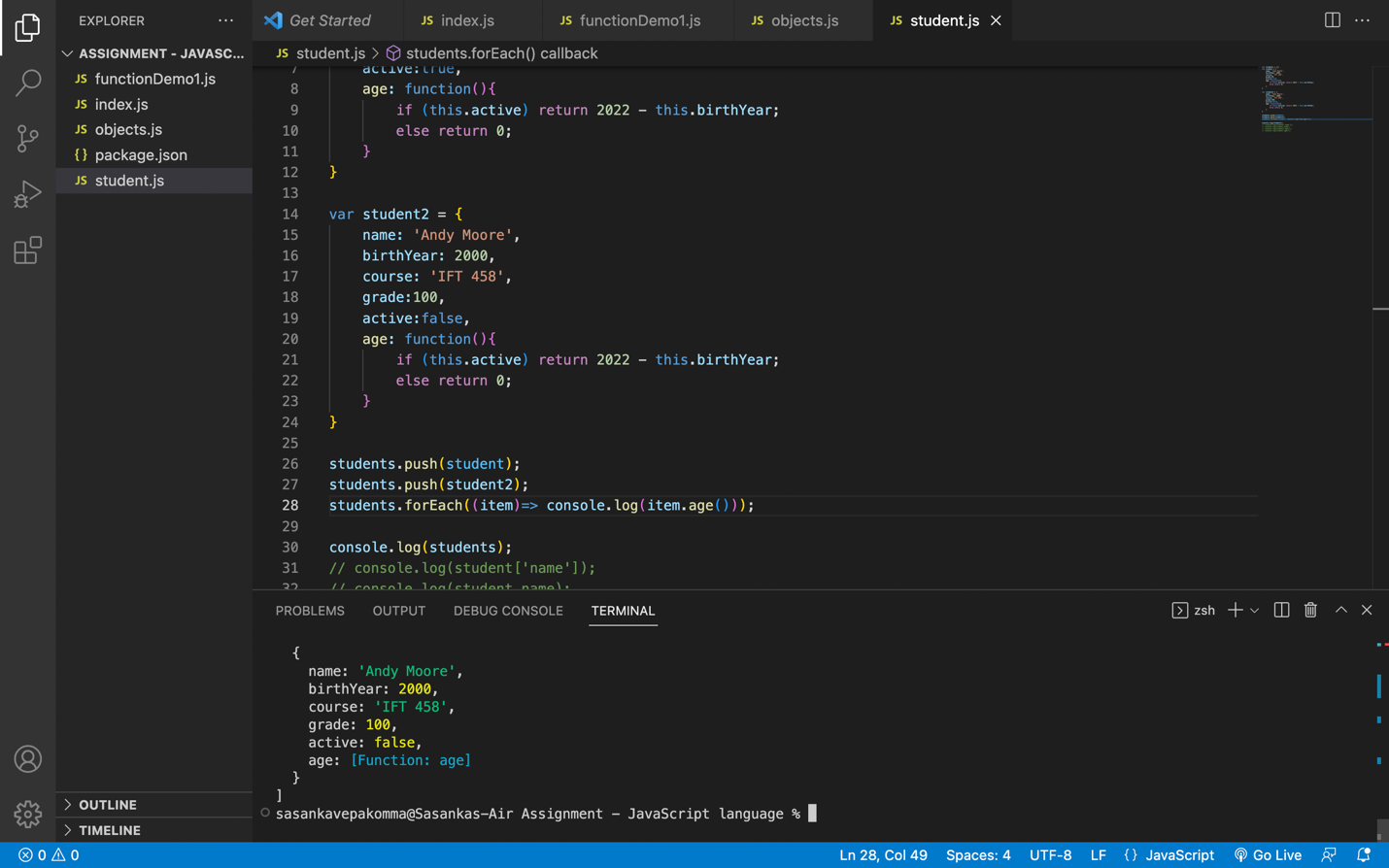


Video 9:

A screenshot of a computer

Description automatically generated

Video 10:



Final Code:

Index.js

// function greetTheStudent(studentName){ // parameter // name function

// return `Hello there ${studentName}`

// }

// const greetTheStudent = function (studentName){ // parameter // anonymous function

// return `Hello there ${studentName}`

// }

// fat arrow function

// const greetTheStudent = (studentName) => { // parameter // anonymous function

// return `Hello there ${studentName}`

// }

const greetTheStudent = studentName => `Hello there ${studentName}`

// const fullName = function(firstName, middleName, lastName) {

// return `${lastName}, ${middleName}. ${firstName}`;

// }

// const fullName = (firstName, middleName, lastName) => {

// return `${lastName}, ${middleName}. ${firstName}`;

// }

const fullName = (firstName, middleName, lastName) => `${lastName}, ${middleName}. ${firstName}`;

const student = 'Mary Jane';

const greet = greetTheStudent(student); // argument

console.log(greet);

// console.log(message + ' ' + studentName);

// console.log(message + ' ' + studentName2);

const titleName = fullName('Mary', 'R', 'Jane');

console.log(titleName);

functionDemo1.js

var age = 10; //int

var salary = 15.00; // double

// console.log(`The variable type of age is ${typeof age}`);

// console.log(`The variable type of salary is ${typeof salary}`);

// var name = 'John Smith';

// console.log(`The variable type of name is ${typeof name}`);

const displayGreetings = function(name, year){

console.log(`Happy new year ${year} ${name}`);

}

// console.log(`The variable type of displayGreetings is ${typeof displayGreetings}`);

const displayGreetingsWithEmoji = function(name, year){

console.log(`😀 😄Happy new year ${year} ${name} 😀 😃`);

}

var greet = function (name, year, func){

func(name, year);

}

greet('Sam', 2022, displayGreetingsWithEmoji);

greet('Sam', 2022, displayGreetings);

objects.js

var students = ['John','Sammy','Jaine','Mike','Jane'];

// console.log(students[0]);

// console.log(students[2]);

// console.log(students.length);

var grades = [90,99,89,100,80];

// console.log(grades[0]);

// console.log(grades[2]);

console.log(grades.length);

console.log(grades[grades.length-1]);

console.log(grades[grades.length-2]);

package.json

{

"name": "assignment---javascript-language",

"version": "1.0.0",

"description": "Student code",

"main": "index.js",

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1"

},

"author": "Sasanka Vepakomma",

"license": "ISC"

}

student.js

var students = [];

var student = {

name: 'Joan Smith',

birthYear: 2002,

course: 'IFT 458',

grade:90,

active:true,

age: function(){

if (this.active) return 2022 - this.birthYear;

else return 0;

}

}

var student2 = {

name: 'Andy Moore',

birthYear: 2000,

course: 'IFT 458',

grade:100,

active:false,

age: function(){

if (this.active) return 2022 - this.birthYear;

else return 0;

}

}

students.push(student);

students.push(student2);

students.forEach((item)=> console.log(item.age()));

console.log(students);

// console.log(student['name']);

// console.log(student.name);

// console.log(student2.age());

// console.log(student.age());