Display:

A screen shot of a computer

Description automatically generated

Code:

**asyncAwaitSurveyApp.js:**

const {stdin, stdout} = require('process');

const ReadLine = require('readline');

const lineReader = ReadLine.createInterface({

input: stdin,

output: stdout

});

function questionPromise(prompt){

return new Promise((success, failure) => {

lineReader.question(prompt, (input) => {

success(input);

})

});

}

class Person {

constructor(firstName, lastName, age) {

this.firstName = firstName;

this.lastName = lastName;

this.age = age;

}

}

async function run() {

let firstName = await questionPromise('Enter your first name: ');

let lastName = await questionPromise('Enter your last name: ');

let age = await questionPromise('Enter your age: ');

lineReader.close();

const person = new Person(firstName, lastName, age);

console.log(person);

}

run();

**callbackSurveyApp.js:**

const ReadLine = require('readLine');

const lineReader = ReadLine.createInterface({

input: process.stdin,

output: process.stdout

});

class Person {

constructor(firstName, lastName, age){

this.firstName = firstName;

this.lastName = lastName;

this.age = age;

}

}

let firstName = "";

let lastName = "";

let age = 0;

lineReader.question('Enter your first name: ', (input) => {

firstName = input;

lineReader.question('Enter your last name: ', (input) => {

lastName = input;

lineReader.question('Enter your age: ', (input) => {

age = input;

console.log(new Person(firstName, lastName, age));

lineReader.close();

});

});

});

**promisesSurveyApp.js:**

const { stdin, stdout } = require('process');

const ReadLine = require('readline');

const lineReader = ReadLine.createInterface({

input : stdin,

output: stdout

});

function questionPromise(prompt){

return new Promise((success, failure) =>{

lineReader.question(prompt, (input) => {

success(input);

})

});

}

class Person {

constructor(firstName, lastName, age) {

this.firstName = firstName;

this.lastName = lastName;

this.age = age;

}

}

let firstName;

let lastName;

let age;

questionPromise('Enter your first name: ')

.then(entry => {

firstName = entry;

return questionPromise('Enter your last name: ')

}).then(entry => {

lastName = entry;

return questionPromise('Enter your age');

}).then(entry => {

age = entry;

console.log(new Person(firstName, lastName, age));

})

.catch(err => {

console.log(err);

})

.finally(() => {

lineReader.close();

});