npm i mocha chai

run and debug ->create a launch.jsan.file -> node.js

-> deleate configuration and paste -> ADD CONFIGURATION

-> finde MOCHA TESTS - and change "tdd" to be "bdd"

and change "${workspaceFolder}/test" to "${file}"

run -> F5

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let { Repository } = require("./solution.js");

let {expect}=require('chai');

let {acces}=require('chai');

let { assert } = require('chai');

class Repository {

    constructor(props) {

        this.props = props;

        this.data = new Map();

        let id = 0;

        this.nextId = function () {

            return id++;

        }

    }

1. Initialization:

  expect(repo).to.have.property('props');

  expect(repo.props).to.deep.equal(properties);

expect(repo).to.have.property('data');

expect(typeof repo.data).is.equal('object');

expect(repo.data).instanceOf(Map);

1. Counter

expect(repo.add(entity)).is.equal(0);

expect(repo.add(entity)).is.equal(1);

  expect(repo.getId(0)).is.equal(entity);

1. Return throw:

            let properties = {

                name: "string",

                age: "number",

                birthday: "object"

            };

            let anotherEntity = {

                name: 'Stamat',

                age: 29,

                birthday: 1991

            };

            let repo = new Repository(properties);

expect(() => repo.add(anotherEntity)).to.throw(Error, `Property birthday is not of correct type!`);

            expect(() => repo.add(anotherEntity)).to.throw();

expect(()=>repo.getId(3)).to.throw();

 expect(() => repo.add(anotherEntity)).to.throw(Error, `Property name is missing from the entity!`);

1. Check property

  let properties = {

                name: "string",

                age: "number",

                birthday: "object"

            };

            let repo = new Repository(properties);

            let entity = {

                name: "Pesho",

                age: 22,

                birthday: new Date(1998, 0, 7)

            };

            repo.add(entity);

            expect(repo.data.get(0)).to.have.property('name').that.equals('Pesho');

            expect(repo.data.get(0)).to.have.property('age').that.equals(22);

            expect(repo.data.get(0)).to.have.property('birthday');