עבודת גמר - TS

מועד אחרון להגשה: 09.09.2020

דגשים:

- יש להעלות לmoodle תיקייה מכווצת של הפרויקט - שימו לב: קבצים שיעלו בפורמט שונה מקבצי html / ts /js לא יבדקו!
- הציון ישוקלל על פי נכונות הקוד, קריאותו, וגנריות

Ex 1

Create a TS program that implements an abstract class Animal that has a Name property of type string and three methods:

- setName (name:string):void
- getName():string
- eat():void.

The Eat method will be an abstract method of type void.

You will also need to create a Dog class that implements the above Animal class and the Eat method that says the dog is Eating.

To test the program ask the user for a dog name and create a new Dog type object from the Main of the program, give the Dog object a name, and then execute the Eat methods.

Input

```
Tobby
```

Output

```
Tobby Eating
```

Ex 2

Create a TS program that implements an IVehicle interface with two methods, one for Drive of type void and another for Refuel of type bool that has a parameter of type number with the amount of gas to refuel.

Then create a Car class that implements the IVehicle , with a constructor that receives a parameter with the car's starting gas amount and implements the Drive and Refuel methods of the car.

The Drive method will print on the screen that the car is Driving, if the gas is greater than 0. The Refuel method will increase the gas of the car and return true.

To carry out the tests, create an object of type Car with 0 of gas in the and ask the user for an amount of gas to refuel, finally execute the Drive method of the car.

Input

```
50
```

Output

```
Driving
```