JS Fundamentals: Test Exam
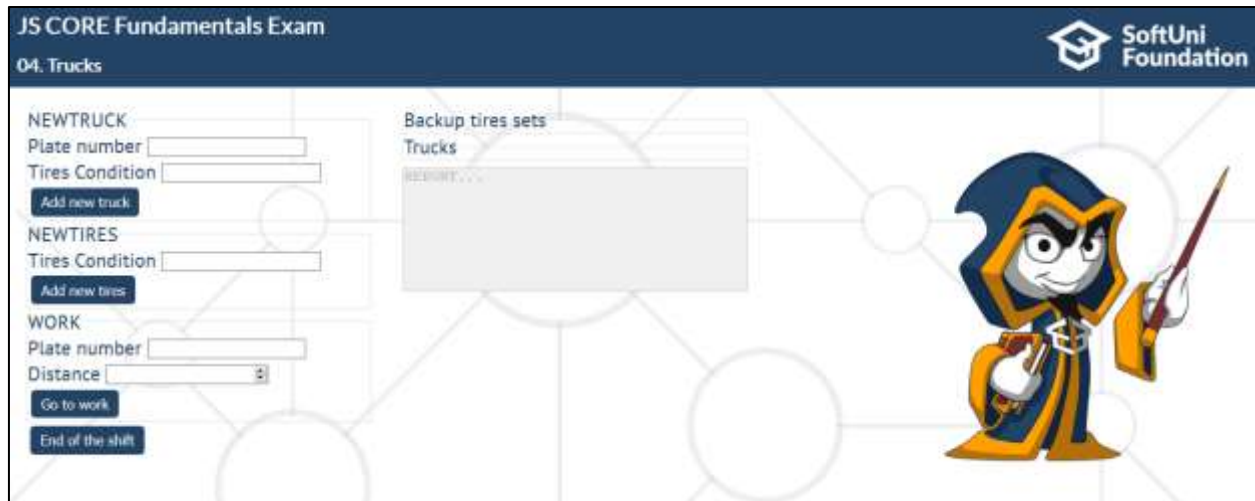
This is a test exam for course [JavaScript Fundamentals](#) at SoftUni

Problem 4. Trucks

You have to keep track of all of your **trucks** and their **tire's conditions**. Each truck has a **plate number**, a total of **8 tires**, each one is a number representing **how good its condition is** and it also needs to keep track of **each trucks travelled distance**.

You will receive a **sequence** of **inputs** for, each **input** will **some information** about **one** of the following **commands**:

- **"NEWTRUCK"** – `Plate number: C111AA, Tires Condition: 5 5 5 5 5 5 5 5`
  that means you have to **add a new truck** if you don't have it already with the given **plate number** and the **tires**.
- **"NEWTIRES"** – **Tires Condition: 7 7 7 7 7 7 7 7** – add the given tires in a collection of **backup tires**. You might need to use them later
- **"WORK"** – **Plate number: C111AA, Distance: 7000** – that means that **if you have that truck** (with the given plate number), it **has to travel a given amount of kilometers**. Every **1000** kilometers the quality of each tire **reduces by 1**. You have to calculate if the **quality of all the tires of the truck is enough to travel that distance**.
  - If it is, **reduce the quality** of **each tire** with the **needed amount** and **add the kilometers** to the truck's **total distance**
  - If it is not, **try to change the tires** (if you have any backups) <u>once</u> and do that calculations again. If after the **change the tires the truck can travel**, do it, otherwise the **truck does not travel** and you have to proceed.

At the end of the shift (when "<u>End of the shift</u>" button is clicked), print into **textarea element** for each truck information in the following format: **"Truck {plateNumber} has traveled {trucksDistance}."**. And finally print how many sets of tires you have as backup in the format: **"You have {setsCount} sets of tires left."**

Note: "**Backup" tires sets**" element into the skeleton **contains all tire sets registered like NEWTIRES. Every tire set** into "**Backup tire sets**" must be in a **div element** with **class** "**tireSet**". **If some tire set** from the "**Backup tires sets**" is **used** you **must remove** the **div element** that **contains this set of tires**.

And "**Trucks**" element into skeleton **contains all trucks registered like NEWTRUCK. Every truck** into "**Trucks**" must be in a **div element** with **class** "**truck**".

Input/Constrains

- The input will always be in a valid format

Output

- Look at the examples for more clarity

Examples

Input	Report output
NEWTRUCK - Plate number: C1111AA - Tires Condition: 7 7 7 7 7 7 7 7 --- NEWTRUCK - Plate number: C2222AA - Tires Condition: 5 5 5 5 5 5 5 5 5 --- NEWTIRES - Tires Condition: 8 8 8 8 8 8 8 8 --- NEWTIRES - Tires Condition: 4 4 4 4 4 4 4 4 --- NEWTIRES	Truck C1111AA has traveled 10700. Truck C2222AA has traveled 0. You have 0 sets of tires left.

```
 -   Tires Condition: 5 5 5 5 5 5 5 5

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 WORK

 -   Plate number: C1111AA
 -   Distance: 7700

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 WORK

 -   Plate number: C2222AA
 -   Distance: 6000

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 WORK

 -   Plate number: C1111AA
 -   Distance: 3000
```

<pre>NEWTRUCK
 	
- Plate number: B1002SA
 	
- Tires Condition: 17 17 17 17 17 17 17 17
 	
--- 	
 	
NEWTIRES
 	
- Tires Condition: 8 8 4 8 8 8 9 8
 	
--- 	
 	
NEWTIRES
 	
- Tires Condition: 4 4 5 4 4 7 4 4
 	
--- 	
 	
NEWTIRES
 	
- Tires Condition: 5 1 5 5 5 7 5 1
 	
--- 	
 	
WORK
 	
- Plate number: B1002SA
 	
- Distance: 7700
 	
--- 	
 	
WORK</pre>
	<pre>Truck B1002SA has traveled 16700.
	
	You have 3 sets of tires left.</pre>

```
- Plate number: B1002SA

- Distance: 6000

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WORK

- Plate number: B1002SA

- Distance: 3000
```