# Problem 4. E-Venetka.bg

*Write a JS program that summarizes the e-Venetki (car vignettes) that were bought, until the website crashed.*

You will receive an array of car vignettes and each vignette will be an object with format:

{

model: String,

regNumber: String,

town: String,

price: Number,

}

First, see in which town, our "perfectly" written software, gained **most profit**. If two or more towns have the same profit, pick the town with **most vignettes registered**. If there two or more towns with same profit and same number of vignettes registered, pick the **first town, ordered ascending by town name**.

Next, check **which model is most driven** (popular) **in the most profitable town**, if there are several models with same count, pick the model with the **biggest vignette price**. If there several models with same count and vignette price, pick the **first model, ordered ascending by model name**.

At the end, **list all of the towns**, which **have the most popular model registered**. Order the list of towns **by town's name ascending**. For each town **print the registration numbers** of the cars with the most driven model, **ordered ascending by regNumber**, separated by comma and space.

Print on the console:

<town> is most profitable - <totalProfit> BGN

Most driven model: <model>

*<list of towns with such model registered*>: <redistration numbers>

## Input / Constraints

You will receive an **array of objects** with properties as shown above.

## Output

Print on the **console** a message, depending on the data, as instructed above.

## Examples

|  |
| --- |
| **Input** |
| [ { **model**: 'BMW', **regNumber**: 'B1234SM', **town**: 'Varna', **price**: 2},  { **model**: 'BMW', **regNumber**: 'C5959CZ', **town**: 'Sofia', **price**: 8},  { **model**: 'Tesla', **regNumber**: 'NIKOLA', **town**: 'Burgas', **price**: 9},  { **model**: 'BMW', **regNumber**: 'A3423SM', **town**: 'Varna', **price**: 3},  { **model**: 'Lada', **regNumber**: 'SJSCA', **town**: 'Sofia', **price**: 3} ] |
| **Output** |
| Sofia is most profitable - 11 BGN  Most driven model: BMW  Sofia: C5959CZ  Varna: A3423SM, B1234SM |
| **Comment** |
| We receive vignettes for cars from three towns: Sofia, Varna, Burgas. Sofia has the biggest profit (8 + 3 = 11 BGN).  Next, we check the most driven model. There are only 2 models registered in the city: "BMV" and "Lada", so we pick the model with the biggest vignette price – "BMV". After that we print each city, which has registered vignette with model "BMV": Sofia and Varna, ordered ascending by town's name. For each city we print each vignettes regNumber, with model "BVM" (most driven model), ordered ascending by regNumber, separated by comma and whitespace. |

*...* *free services. best values. ...*