

Coding Challenge 2

Given a system for invoice generation for a cinema food stand. The system stores the following information for each product sold:

- Date
- Item Code
- Client Identification

The items sold at this restaurant are:

- **COKE** with a price of **5 USD**
- **FRIES** with a price of **20 USD**
- **ICE-CREAM** with a price of **10 USD**

The restaurant has a bundle promotion that each time that a client buys **COKE and FRIES** together they get a discount and pays only: **21 USD**. The bundle only applies if the same client buys the two products the same day. There are no limits in how many bundles a client can get.

Invoices

The invoice system receives a list of strings for each item transaction, in no particular order:

2021-01-22 COKE 445

That represents that the Client 445 bought a COKE on the 2021-01-22 (January 22nd of 2021)

Instructions

Write a function that receives a list of invoice lines and outputs the grand total for each client.

Scenarios

The following invoice lines:

```
const input: string[] = [
  "2021-01-02 COKE 998",
  "2021-01-02 COKE 998",
  "2021-01-03 COKE 998",
  "2021-01-03 FRIES 998",
  "2021-01-03 ICE-CREAM 998",
  "2021-01-10 COKE 101",
  "2021-01-10 FRIES 101",
  "2021-01-11 ICE-CREAM 901",
  "2021-01-12 COKE 998"
]

const output = {
  "998": 46,
  "101": 21,
  "901": 10
}
```

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The following invoice lines:

```
const input: string[] = [
  "2021-01-02 COKE ABC",
  "2021-01-02 COKE DEF",
  "2021-01-03 COKE ABC",
  "2021-01-03 FRIES DEF",
  "2021-01-03 ICE-CREAM ABC",
  "2021-01-10 COKE G12",
  "2021-01-10 ICE-CREAM G12",
  "2021-01-11 FRIES G12",
  "2021-01-12 FRIES DEF"
]

const output = {
  "ABC": 20
  "DEF": 45
  "G12": 35
}
```

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The following invoice lines:

```
const input: string[] = [  
  "2021-01-02 COKE G-12",  
  "2021-01-11 COKE J-333",  
  "2021-01-03 ICE-CREAM J-450",  
  "2021-01-12 FRIES G-12",  
  "2021-01-10 ICE-CREAM J-450",  
  "2021-01-11 FRIES J-333",  
  "2021-01-02 FRIES G-12",  
  "2021-01-10 ICE-CREAM J-450",  
  "2021-01-12 COKE G-12",  
  "2021-01-03 FRIES J-133",  
  "2021-01-10 COKE J-450",  
]  
  
const output = {  
  "G-12": 42  
  "J-333": 21  
  "J-450": 35  
}
```