Dataweave Exercise

Input json Array for question 1 and question 5

```json
{
  "user": [
    {
      "id": "693cacff-147d-4b84-add8-dad773730508",
      "firstname": "piter",
      "middlename": "gg",
      "lastname": "gg",
      "city": "jj",
      "state": "New York",
      "address": "gg",
      "email": "ggh@hh.nn"
    },
    {
      "id": "53634496-86ee-420b-9d36-64969e417833",
      "firstname": "tomas",
      "middlename": "dsfsd",
      "lastname": "dsfsdf",
      "city": "AA",
      "state": "California",
      "address": "sdsd",
      "email": "dsdsf@gmail.com"
    }
  ]
}
```

Input json Array for question 2, question 3 and question 4

```
[
{
        "id": "693cacff-147d-4b84-add8-dad773730508",
        "itemname": "ss",
        "itemcode": "0001",
        "price": "50"
    },
    {
       "id": "693cacff-147d-4b84-add8-dad773730508",
        "itemname": "bcc",
        "itemcode": "0002",
        "price": "100"
    },
    {
       "id": "693cacff-147d-4b84-add8-dad773730508",
        "itemname": "hj",
        "itemcode": "0003",
        "price": "200"
    },
     {
       "id": "693cacff-147d-4b84-add8-dad773730508",
        "itemname": "uiu",
        "itemcode": "0004",
        "price": "20"
    }
]
```

1, OUTPUT

```json
[
  {
    "0": {
      "id": "693cacff-147d-4b84-add8-dad773730508",
      "firstname": "piter",
      "middlename": "gg",
      "lastname": "gg",
      "city": "jj",
      "state": "New York",
      "address": "gg",
      "email": "ggh@hh.nn"
    }
  },
  {
    "1": {
      "id": "53634496-86ee-420b-9d36-64969e417833",
      "firstname": "tomas",
      "middlename": "dsfsd",
      "lastname": "dsfsdf",
      "city": "AA",
      "state": "California",
      "address": "sdsd",
      "email": "dsdsf@gmail.com"
    }
  }
]
```

2, OUTPUT

```json
[
  {
    "id": "693cacff-147d-4b84-add8-dad773730508",
    "name": "ABC -> ss",
    "code": "Q123 -> 0001",
    "price": 100
  },
  {
    "id": "693cacff-147d-4b84-add8-dad773730508",
    "name": "ABC -> bcc",
    "code": "Q123 -> 0002",
    "price": 200
  },
  {
    "id": "693cacff-147d-4b84-add8-dad773730508",
    "name": "ABC -> hj",
    "code": "Q123 -> 0003",
    "price": 400
  },
  {
    "id": "693cacff-147d-4b84-add8-dad773730508",
    "name": "ABC -> uiu",
    "code": "Q123 -> 0004",
    "price": 40
  }]
```

3, OUTPUT

```xml
<?xml version='1.0' encoding='UTF-8'?>
<List_of_Items>
  <item id="693cacff-147d-4b84-add8-dad773730508" itemname="ss" itemcode="0001" price="50"/>
  <item id="693cacff-147d-4b84-add8-dad773730508" itemname="bcc" itemcode="0002" price="100"/>
  <item id="693cacff-147d-4b84-add8-dad773730508" itemname="hj" itemcode="0003" price="200"/>
  <item id="693cacff-147d-4b84-add8-dad773730508" itemname="uiu" itemcode="0004" price="20"/>
</List_of_Items>
```

4, OUTPUT

JSON OUTPUT

```json
[
  "693cacff-147d-4b84-add8-dad773730508 , ss , 0001 , 50",
  "693cacff-147d-4b84-add8-dad773730508 , bcc , 0002 , 100",
  "693cacff-147d-4b84-add8-dad773730508 , hj , 0003 , 200",
  "693cacff-147d-4b84-add8-dad773730508 , uiu , 0004 , 20"
]
```

XML OUTPUT

```xml
<?xml version='1.0' encoding='UTF-8'?>
<Allitems>
  <item>693cacff-147d-4b84-add8-dad773730508 , ss , 0001 , 50</item>
  <item>693cacff-147d-4b84-add8-dad773730508 , bcc , 0002 , 100</item>
  <item>693cacff-147d-4b84-add8-dad773730508 , hj , 0003 , 200</item>
  <item>693cacff-147d-4b84-add8-dad773730508 , uiu , 0004 , 20</item>
</Allitems>
```

5, OUTPUT

```
{
  "users": [
    {
      "user": {
        "ID": "693cacff-147d-4b84-add8-dad773730508",
        "FIRSTNAME": "piter",
        "MIDDLENAME": "gg",
        "LASTNAME": "gg",
        "CITY": "jj",
        "STATE": "New York",
        "ADDRESS": "gg",
        "EMAIL": "ggh@hh.nn"
      }
    },
    {
      "user": {
        "ID": "53634496-86ee-420b-9d36-64969e417833",
        "FIRSTNAME": "tomas",
        "MIDDLENAME": "dsfsd",
        "LASTNAME": "dsfsdf",
        "CITY": "AA",
        "STATE": "California",
        "ADDRESS": "sdsd",
        "EMAIL": "dsdsf@gmail.com"
      }
    }
  ]
}
```

6, XML INPUT

The input has to be dynamic data. Hint (form postman)

```xml
<employeers>

<employee>

    <empName>Abebe</empName>
    <empAge>23</empAge>
    <empSalary>5000</empSalary>
</employee>
<employee>
    <empName>Kebede</empName>
    <empAge>55</empAge>
    <empSalary>8000</empSalary>
</employee>
<employee>
    <empName>Saron</empName>
    <empAge>35</empAge>
    <empSalary>7000</empSalary>
</employee>

</employeers>
```

OUTPUT

```
[
  "23",
  "55",
  "35"
]
```

7, OUTPUT

CSV

employee Full Info

employee Name: Abebe employee Age: 23 employee Salary: 5000

employee Name: Kebede employee Age: 55 employee Salary: 8000

Add company Name

Note: as long as all employees are from one company similar company name are going to be added

employee Full Info

employee Name: Abebe employee Age: 23 employee Salary: 5000 employee company: craftSoftware

employee Name: Kebede employee Age: 55 employee Salary: 8000 employee company: craftSoftware