With\_suppliement: Explained with example.

|  |
| --- |
| ---  - hosts: localhost  gather\_facts: no  vars:  families:  - fathername: Smith  mothername: Kelly  children:  - name: Mike  age: 4  - name: Kate  age: 7  - fathername: Sanders  mothername: Amanda  children:  - name: Pete  age: 12  - name: Sara  age: 17  tasks:  - name: Process families  debug:  msg: " Item in Families list: {{item}}"  with\_items:  - "{{families}}"  - name: List children  debug:  msg: "Family - FatherName={{ item.0.fathername }}, MotherName={{item.0.mothername}}, Child={{ item.1.name }} Age={{ item.1.age }}"  with\_subelements:  - "{{ families }}"  - children |

First need to understand what will happen when you process families variable with items.

This variable have is a list of 2 items. It will simply process each item one by one.

|  |  |
| --- | --- |
| - fathername: Smith  mothername: Kelly  children:  - name: Mike  age: 4  - name: Kate  age: 7 | - fathername: Sanders  mothername: Amanda  children:  - name: Pete  age: 12  - name: Sara  age: 17 |

TASK [Process families] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [localhost] => (item={'fathername': 'Smith', 'mothername': 'Kelly', 'children': [{'name': 'Mike', 'age': 4}, {'name': 'Kate', 'age': 7}]}) => {

"msg": " Item in Families list: {'fathername': 'Smith', 'mothername': 'Kelly', 'children': [{'name': 'Mike', 'age': 4}, {'name': 'Kate', 'age': 7}]}"

}

ok: [localhost] => (item={'fathername': 'Sanders', 'mothername': 'Amanda', 'children': [{'name': 'Pete', 'age': 12}, {'name': 'Sara', 'age': 17}]}) => {

"msg": " Item in Families list: {'fathername': 'Sanders', 'mothername': 'Amanda', 'children': [{'name': 'Pete', 'age': 12}, {'name': 'Sara', 'age': 17}]}"

}

Now if you want to print each child details along with each parents, then you have to divide each item in 2 sublists.

|  |  |
| --- | --- |
| - fathername: Smith  mothername: Kelly | children:  - name: Mike  age: 4  - name: Kate  age: 7 |
| - fathername: Sanders  mothername: Amanda | children:  - name: Pete  age: 12  - name: Sara  age: 17 |

(list parents) (list children)

Now you need to process each parent item(outer loop) with each corresponding children item(inner loop) . This is achieved by with\_supplements module. This module have 2 inputs.

* First input defines the outer loop. It’s name is original variable name i.e. families. It will contain everything from variable ( families variable in this case) except second input item (children in this case)
* Second input defines the inner loop (children in this case).

TASK [List children] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [localhost] => (item=[{'fathername': 'Smith', 'mothername': 'Kelly'}, {'name': 'Mike', 'age': 4}]) => {

"msg": "Family - FatherName=Smith, MotherName=Kelly, Child=Mike Age=4"

}

ok: [localhost] => (item=[{'fathername': 'Smith', 'mothername': 'Kelly'}, {'name': 'Kate', 'age': 7}]) => {

"msg": "Family - FatherName=Smith, MotherName=Kelly, Child=Kate Age=7"

}

ok: [localhost] => (item=[{'fathername': 'Sanders', 'mothername': 'Amanda'}, {'name': 'Pete', 'age': 12}]) => {

"msg": "Family - FatherName=Sanders, MotherName=Amanda, Child=Pete Age=12"

}

ok: [localhost] => (item=[{'fathername': 'Sanders', 'mothername': 'Amanda'}, {'name': 'Sara', 'age': 17}]) => {

"msg": "Family - FatherName=Sanders, MotherName=Amanda, Child=Sara Age=17"

}

Output of ansible play:

