CHALLENGE 1.
GLOBAL OPTION `-O <FORMAT>` IN OSMCLIENT TO ADAPT OUTPUT FORMAT

CARLOS HERNANDEZ-CHULDE
A new global option `-o` will be added to osmclient to adapt output format

- osmclient/scripts/osm.py
CHALLENGE 1.

The code should be properly written so that all commands use the same call in all the cases:
print_output(format, header, rows)

It would only apply to xxx-show and xxx-list commands

• osmclient/common/print_output.py

```python
def print_output(format, headers, rows):
    if format == "table":
      ... 
    elif format == "json":
      ... 
    elif format == "csv":
      ... 
    elif format == "yaml":
      ... 
    elif format.startswith("jsonpath-"):
      ...
    else:
      ...
```

• osmclient/cli_commands/vnf.py

```python
@click.option(  
    
    default="table",  
    is_eager=True,  
    callback=print_output.validate_command_output,  
    help="adapt the output as table, yaml, csv, json, jsonpath",  
)  
```
CHALLENGE 1.

The output formats could be: table, csv, yaml, json, jsonpath (default: table)

- **table:**
  - ‘osm vnf-list’ or ‘osm vnf-list -o table’

- **csv:**
  - osm vnf-list -o csv
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The output formats could be: table, csv, yaml, json, jsonpath (default: table)

- yaml:
  - osm vnf-list -o yaml

```yaml
- vnf id: 35ce99bb-547b-4e8d-8c68-c80786452707
  name: '-'
  ns id: 8f017b2c-95a9-4732-a5ff-33e344063e66
  vnf member index: vnf
  vnf name: hackfest_basic-vnf
  vim account id: e0ea9b24-ae2c-4e93-b82c-b7cd6af40009
  ip address: 172.21.248.161
- vnf id: 30df40b6-b56b-4543-8400-9f940020c402
  name: '-'
  ns id: 4679cdd8-dd3e-4ec5-ac13-055f647da53
  vnf member index: vnf
  vnf name: hackfest_basic-vnf
  vim account id: e0ea9b24-ae2c-4e93-b82c-b7cd6af40009
  ip address: 172.21.248.12
```
CHALLENGE 1.

The output formats could be: table, csv, yml, json, jsonpath (default:table)

- json:
  - osm vnf-list -o json

```json
["vnf_id": "35ce99bb-547b-4e8d-8c68-c807b6452707", "name": "", "ns_id": "8f017b2c-95a9-4732-a5ff-33c344063e66", "vnf member index": "vnf", "vnfd name": "hackfest_basic-vnf", "vim account id": "e0ea9b24-ae2c-4e93-b82c-b7cd6af40009", "ip address": "172.21.248.161"}, {"vnf id": "30dfa6b6-b3e1-4543-8409-df940970c02", "name": "", "ns id": "4679ccd8-d3e-4ec5-ac13-0f5f64d7da53", "vnf member index": "vnf", "vnfd name": "hackfest_basic-vnf", "vim account id": "e0ea9b24-ae2c-4e93-b82c-b7cd6af40009", "ip address": "172.21.248.12"}]
```

- jsonpath:
  - osm vnf-list -o jsonpath="[*].[ip address]"

```json
["172.21.248.161", "172.21.248.12"]
```
CHALLENGE 1.

All sanity tests should pass. Nothing is broken.

- ./devops-stages/stage-test.sh
  
  black: OK (6.66=setup[0.20]+cmd[6.46] seconds)
  cover: OK (29.53=setup[8.04]+cmd[0.03,0.93,16.34,1.22,1.35,1.62] seconds)
  flake8: OK (12.16=setup[7.52]+cmd[4.65] seconds)
  pylint: OK (52.99=setup[8.26]+cmd[44.73] seconds)
  congratulations :) (53.52 seconds)

- Pushing changes to gerrit.