Turtle

Turtle syntax
Plain triple

```
<http://www.webstep.no/workshop/data/50_PH50A> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>  <http://www.webstep.no/workshop/ens/Pump_PH> .
```

W.

Turtle syntax
Prefixes and base

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .


                data:50_PH50A rdf:type ens:Pump_PH .



                <50_PH50A> rdf:type ens:Pump_PH .
```

W

Turtle syntax
The 'a' token

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .



                    data:50_PH50A a ens:Pump_PH .
```

Turtle syntax
Predicate lists

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .



                        data:50_PH50A a ens:Pump_PH .
                        data:50_PH50A ens:code "50-PH50B" .
                        data:50_PH50A ens:minFlow_m3h 229.0 .
```

Wo

Turtle syntax
Predicate lists

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .
```

```
data:50_PH50A a ens:Pump_PH .
data:50_PH50A ens:code "50-PH50B" .
data:50_PH50A ens:minFlow_m3h 229.0 .


data:50_PH50A a ens:Pump_PH ;
              ens:code "50-PH50B" ;
              ens:minFlow_m3h 229.0 .
```

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Turtle syntax
Object lists

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .



                    data:50_PH50A a ens:Pump_PH ;
                                  a ens:Pump ;
                                  ens:code "50-PH50B" ;
                                  ens:minFlow_m3h 229.0 .
```

Wo

Turtle syntax
Object lists

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .
```

```
data:50_PH50A a ens:Pump_PH ;
              a ens:Pump ;
              ens:code "50-PH50B" ;
              ens:minFlow_m3h 229.0 .
```

```
data:50_PH50A a ens:Pump_PH ,
                ens:Pump ;
              ens:code "50-PH50B" ;
              ens:minFlow_m3h 229.0 .
```

Turtle syntax
Litterals - ordinary and quoted

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .



                        data:50_PH50A a ens:Pump_PH , ens:Pump
                                      ens:code "50-PH50B" ;
                                      ens:minFlow_m3h 229.0 .
```

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Turtle syntax
Litterals - ordinary and quoted

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .
```

```
data:50_PH50A a ens:Pump_PH , ens:Pump
              ens:code "50-PH50B" ;
              ens:minFlow_m3h 229.0 .
```

```
data:50_PH50A a ens:Pump_PH , ens:Pump ;
              ens:code "50-PH50B"^^xsd:string ;
              ens:minFlow_m3h "229.0"^^xsd:double .
```

W.

Turtle syntax
Nested blank nodes

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .


  data:50_PH50A a ens:Pump_PH , ens:Pump
                ens:code "50-PH50B" ;
                ens:minFlow_m3h 229.0 .
```

Wo

Turtle syntax
Nested blank nodes

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .


 data:50_PH50A a ens:Pump_PH , ens:Pump
               ens:code "50-PH50B" ;
               ens:minFlow_m3h 229.0 .



data:50_PH50A a ens:Pump_PH , ens:Pump
              ens:code "50-PH50B" ;
              ens:minFlow data:50_PH50A_minFlow .

data:50_PH50A_minFlow ens:hasValue 229.0 ;
                      ens:hasUom ens:m3h .
```

Wo

Turtle syntax
Nested blank nodes

```
@base:          <http://www.webstep.no/workshop/data/>
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix data:   <http://www.webstep.no/workshop/data/> .
@prefix ens:    <http://www.webstep.no/workshop/ens/> .
```

```
 data:50_PH50A a ens:Pump_PH , ens:Pump
               ens:code "50-PH50B" ;
               ens:minFlow_m3h 229.0 .
```

```
data:50_PH50A a ens:Pump_PH , ens:Pump
              ens:code "50-PH50B" ;
              ens:minFlow data:50_PH50A_minFlow .
```

```
data:50_PH50A_minFlow ens:hasValue 229.0 ;
                      ens:hasUom ens:m3h .
```

```
data:50_PH50A a ens:Pump_PH , ens:Pump
              ens:code "50-PH50B" ;
              ens:minFlow [
                 ens:hasValue 229.0 ;
                 ens:hasUom ens:m3h .
              ] .
```

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