

**-- Create 50 transactions for pain.008.001.02.xsd --**

```
auto i : 0;
foreach n in (PmtInf)
  foreach a in (Set{1 .. 49})
    auto newTx : copy(n.DrctDbtTxInf->asSequence()->at(0));

    auto iban : String.buildIBAN("DE");
    newTx.DbtrAcct.Id.IBAN : iban;
    newTx.PmtId.EndToEndId : 'EndToEndId_' + i.toString();
    i : i + 1;

    n.DrctDbtTxInf.add(newTx);
  endeach;
endeach;
GrpHdr.CtrlSum : PmtInf.DrctDbtTxInf.InstdAmt->sum();
GrpHdr.NbOfTx : PmtInf.DrctDbtTxInf->size().toString();
```

**-- Converting Julian dates (0yyddd) to ISO**

```
auto var : date.today().toString();

auto year : ("20" + var.substring(1,2)).toInteger();
auto days : var.substring(3,4).toInteger();
auto daysInMonths : Sequence{31,28,31,30,31,30,31,31,30,31,30,31};

// Leap year?
if (year % 4 = 0) then
  if (year % 100 = 0) then
    if (year % 400 = 0) then
      // LEAP
      daysInMonths->at(1) : 29;
    endif;
  else
    // LEAP
    daysInMonths->at(1) : 29;
  endif;
endif;

// Count the days
auto month : 1;
foreach d in (Set{1 .. 12})
  if (days > daysInMonth->at(d))
    days = days - daysInMonth->at(d);
    month = month + 1;
  endif;
endeach;
```

```
// Modify the month and day
if (month < 10)
  month = "0" + month.toString();
else
  month = month.toString();
endif

if (days < 10)
  days = "0" + days.toString();
else
  days = days.toString();
endif

// Result it in the right format
auto result : year + "-" + month + "-" + day;
```

### -- Converting ISO dates to Julian (0yyddd)

```
auto var : date.today().toString();

auto year : var.substring(0,4).toInteger();
auto month : var.substring(5,7).toInteger();
auto day : var.substring(8,10);
auto daysInMonths : Sequence{31,28,31,30,31,30,31,31,30,31,30,31};
```

```
// Leap year?
if (year % 4 = 0) then
  if (year % 100 = 0) then
    if (year % 400 = 0) then
      // LEAP
      daysInMonths->at(1) : 29;
    endif;
  else
    // LEAP
    daysInMonths->at(1) : 29;
  endif;
endif;
```

```
// Count the days
auto totalDays : 0;
foreach d in (Set{1 .. month})
  totalDays : totalDays + daysInMonths->at(d - 1);
endeach;
totalDays : totalDays + day.toInteger();
```

```
// Modify the year
auto yearstr : "0" + year.toString().substring(2,4);
```

```
// Return it in the right format  
auto result : yearstr.concat(totalDays.toString());
```

```
result : result.substring(0,6);  
return result;
```

## -- Save multiple outputs with different default namespace

```
// Save all  
// pain.009  
save(doc,"pain009_testfile_" + filenumber.toString());
```

```
// pain.010  
setNamespacePrefix("", "urn:iso:std:iso:20022:tech:xsd:pain.010.001.03");  
save(doc010,"pain010_testfile_" + filenumber.toString());
```

```
// pain.011  
setNamespacePrefix("", "urn:iso:std:iso:20022:tech:xsd:pain.011.001.03");  
save(doc011,"pain011_testfile_" + filenumber.toString());
```