

```

ctl-opt option(*nodebugio);

dcl-f citydata1 disk(*ext) usage(*output) rename(citydata1:citydata);

dcl-ds cities qualified;
  CityData      likes(CityDataDS) dim(2);
end-ds;

dcl-ds CityDataDS qualified;
  CityName      char(20);
  Region        char(20);
  State          char(20);
  MonthlyData    likes(MonthlyDataDS) dim(3);
end-ds;

dcl-ds MonthlyDataDS;
  Month          char(9);
  Low            char(3);
  High           char(3);
end-ds;

dcl-s options1 char(100);
dcl-s filename varchar(25) inz('/xmldocs/citydata1.xml');
dcl-s x         packed(2:0);
dcl-s y         packed(2:0);

// Setup parsing options
options1 = 'doc=file +
  allowextra=yes allowmissing=yes case=any';

// Initialize path to file in IFS
filename = '/xmldocs/citydata1.xml';

// Capture header data into data structure Cities
xml-into Cities %xml(filename:options1);

// Capture detail data, load file
for x = 1 to 2;
  cityname = cities.citydata(x).cityname;
  region = cities.citydata(x).region;
  for y = 1 to 3;
    monthname = cities.citydata(x).monthlydata(y).month;
    low = cities.citydata(x).monthlydata(y).low;
    high = cities.citydata(x).monthlydata(y).high;
  write citydata;
  endfor;
endfor;

```

```
*inlr = *on;  
return;
```