

```
    ctl-opt option(*nodebugio);

    dcl-f citydata1 disk(*ext) usage(*output) rename(city
data1:citydatar);

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

    dcl-ds CityDataDS qualified;
        CityName      char(20);
        Region        char(20);
        State          char(20);
        MonthlyData    likeds(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;
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    for y = 1 to 3;
        monthname = cities.citydata(x).monthlydata(y).mon
th;
        low = cities.citydata(x).monthlydata(y).low;
        high = cities.citydata(x).monthlydata(y).high;
write citydatar;
    endfor;
endfor;

*inlr = *on;
return;
```