1. Create a count of students registered for this term.

- ‘SIS Student - Current Term’ window - select New Query.
- Open the **REGISTRATION** object and select the **REGISTRATION TERM** attribute.
- Click on the ‘Function’ box of the **PIDM** attribute and select ‘Count’.
- Submit the Query.

*The Count PIDM column shows the number of students registered for classes in this term. Each course that a student is registered for adds one to the total. A student registered for three classes is counted three times. To count unique students in the Registration object, we must use the ‘Count Distinct’ function.*

- Close the Results window.

**Counting Distinctly**

- In the **REGISTRATION** object, click on the ‘Function’ box of the **PIDM** attribute and select ‘Count Distinct’.
- Submit the Query.

*Remember to ask the question “Are the results reasonable?” There are three attributes that impact the results: the Head Count Flag, the Schedule Type Code, and the Registration Status Code.*

- Select New Query and open the **CURRENT** object.
- Click on the ‘Function’ box of the **PIDM** attribute and select ‘Count’.
- Click on the ‘?’ to the left of the **HEAD COUNT FLAG** attribute.
- Select the **HEAD COUNT FLAG** attribute.
- Submit the Query.

*The Schedule Type Code discriminates between labs, recitations and lecture classes. The attribute Help is not very specific, so how would you find out what the count is for the Schedule Type code for lectures?*

- Select New Query and open the **REGISTRATION** object.
- Click on the ‘Function’ box of the **PIDM** attribute and select ‘Count Distinct’.
- Select the **SCHEDULE TYPE CODE** and **SCHEDULE TYPE CODE DESC** attributes.
- Submit the Query.

*The Registration Status Code describes the registration status of each student for each CRN. For simplicity, we will assume that we are only interested in the Lecture classes ...*

- Deselect the **SCHEDULE TYPE CODE** and **SCHEDULE TYPE CODE DESC** attributes.
- Select the **REGISTRATION STATUS CODE** and **REGISTRATION STATUS CODE DESC** attributes.
- Submit the Query.

*These are the seven Registration Status Codes that indicate registered students ...*
• Compute the results total by selecting ‘Results | Filter | Compute’.

The results are still obviously high, and the factor that is inflating the count is that one student can have different Registration Status Codes for each class, depending upon his/her activity in creating their schedule. In the Current window, the solution is to return no attributes other than the counted PIDM ...

• Deselect the **Registration Status Code** and **Registration Status Code Desc** attributes.

• Submit the Query.

  *So where is the real answer? I suppose that is dependant upon what the real question is, and that isn’t always very clear when the problem is posed. It will be up to you to find out the real question so that you can answer it!*

**In the All Terms window, you would need to include some qualifications:**

  ✤ In the **Registration** object, qualify **Registration Term** equal to the current term,
  ✤ Qualify **Registration Status Code** equal to “AC, AU, GN, GS, RE, RR, and RW”, and
  ✤ In the **Schedule** object, for OSU qualify **Section Campus Code** equal to “C, I, and J” and “N” to include HMSC. For Bend, qualify **Section Campus Code** equal to “B”.