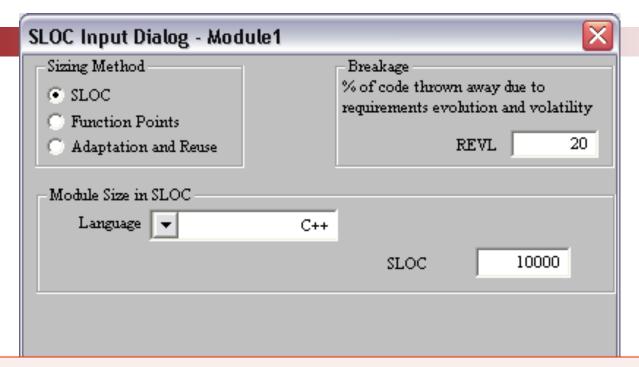


This screen will pop up allowing us to choose between Source Lines Of Code (SLOC), Function Points, or Adaptation and Re-Use. Let's stick with SLOC for this module.







The program language is C++ (this is really important to know for Function Points), there is an estimated 10,000 lines of code, and 20% of the code will be discarded due to requirements evolution and volatility.

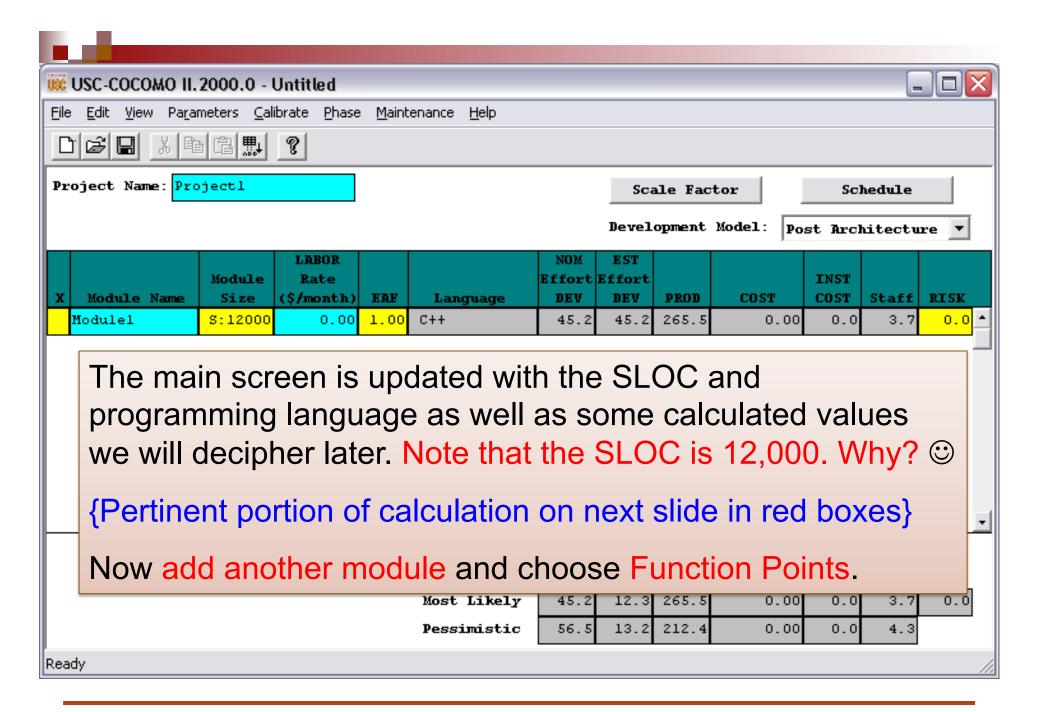
Hit OK...



OK

Cancel

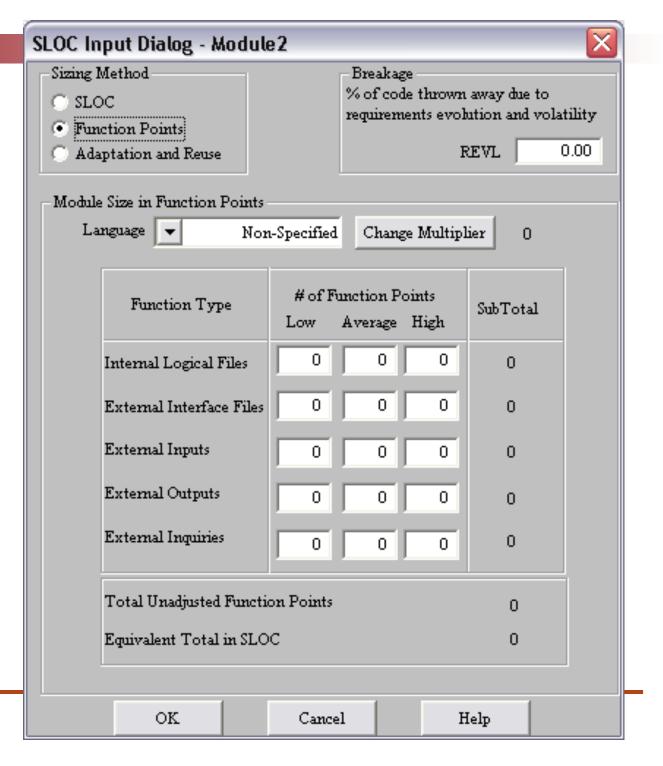
Help



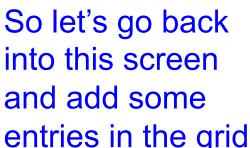


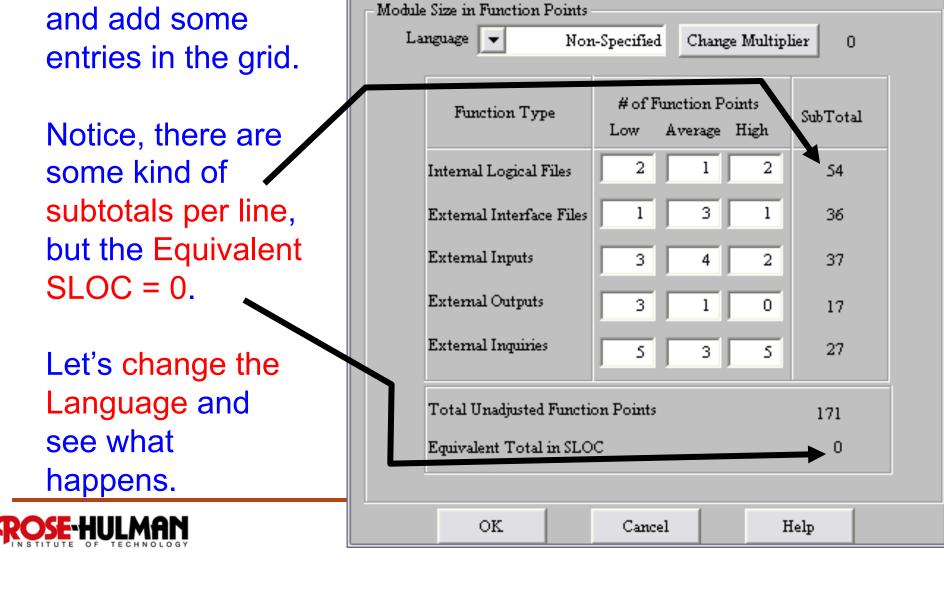
This is the default screen for Function Points.

Let's look deeper at the Function Type descriptions...









SLOC Input Dialog - Module 2

Breakage

% of code thrown away due to

requirements evolution and volatility

REVI.

0.00

Sizing Method

Function Points

Adaptation and Reuse

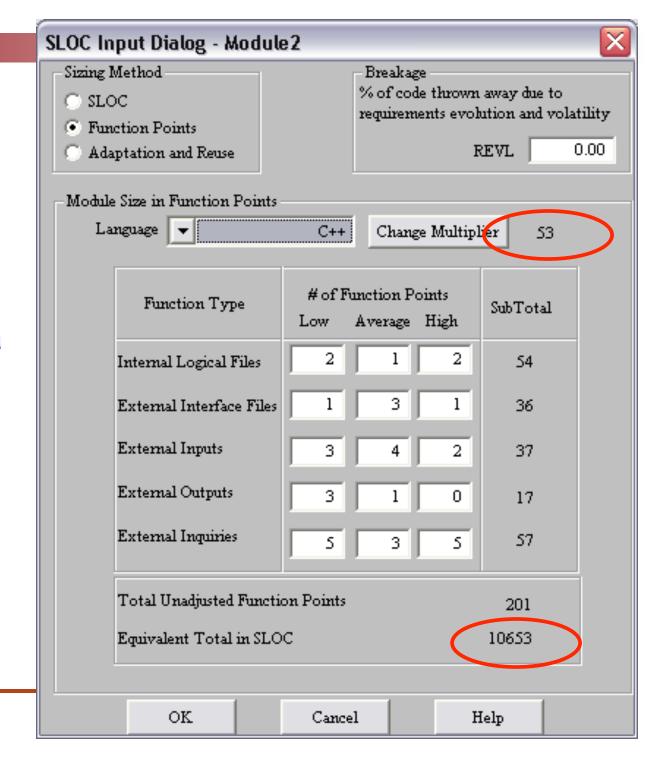
SLOC



By changing the language to C++, we now have an Equivalent Total in SLOC.

Also, we can see a value next to the Change Multiplier button.

Let's change the language to Machine Code!



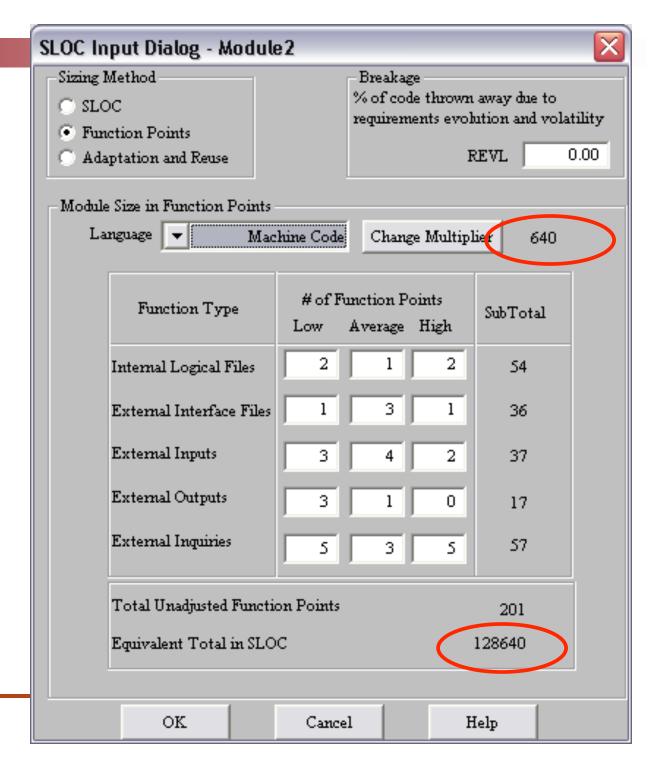




Quite a difference jumping from 10,653 SLOC to 128,640 SLOC.

Note the multiplier changed from 53 to 640.

Change the language once more to 5th Generation.

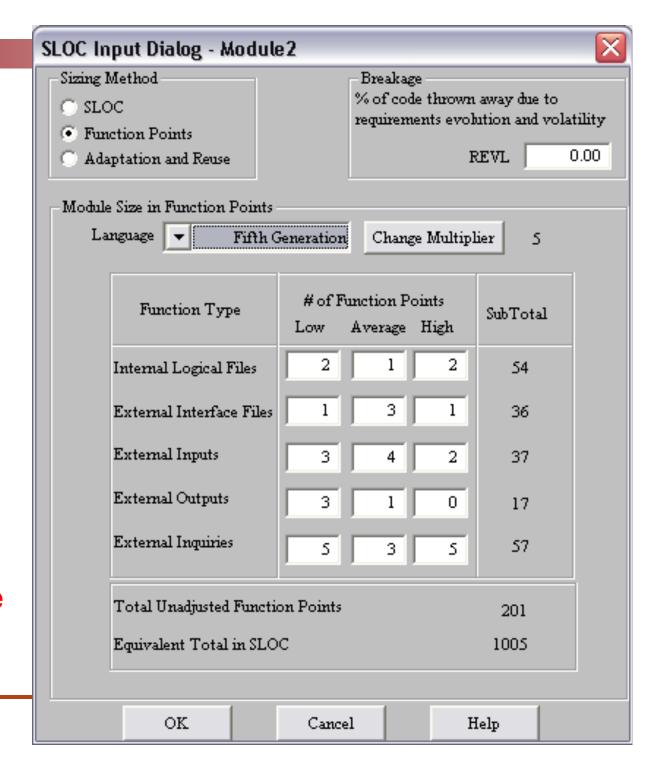


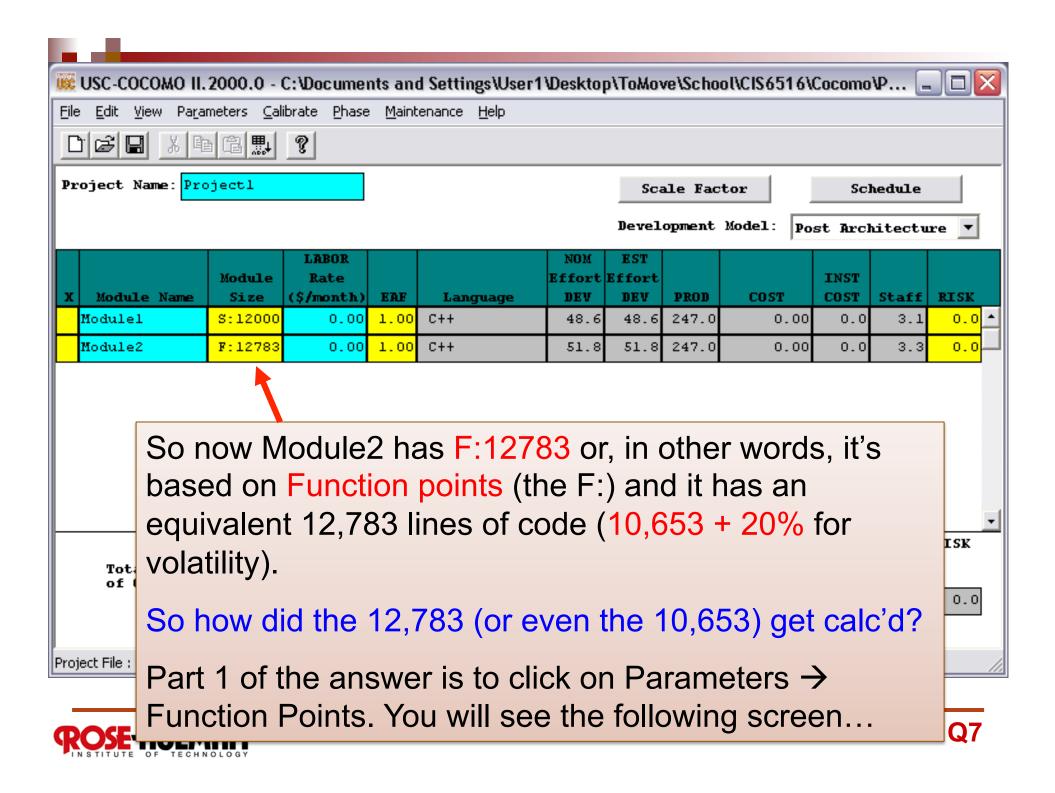


So using a 5th generation level language would cut our code base by a factor of 285 times according to COCOMO II's default estimation (not calibrated for your environment, not taking into account other factors).

Change the language to C++ and change REVL to 20%...









Function Point - Default model values used



Function Type	Low	Average	High
Internal Logical Files	7	10	15
External Interface Files	5	7	10
External Inputs	3	4	6
External Outputs	4	5	7
External Inquiries	3	4	6

These are the default values used as weighting factors against the entries you put in. So if you entered 2,3,4 when enter in Function Point information for the first row, the end result would be 2*7 + 3*10 + 4*15. This is then multiplied by The Change Multiplier...

