Apply-generic "should call the old version of the operator if get fails to find a function" and should install "the old version of the operator into the table with some special type symbols."

I'm confused on what these special type symbols should be? I was thinking just (INTEGER INTEGER) since that's what's required by the old operators.

Whatever you do, make sure the new plus works just like the old plus, even under erroneous conditions. For example, your new plus, when given:

(+ (lambda (f) x) 3)

should yield the same error as the old plus would:

wrong types for '+': CONS and INTEGER

Should we only implement the functions in the description or do we have to implement all combinations of types

If I'm not mistaken, the apply-generic function in the text (on page 184) has an undefined variable "type-tag"

How are we supposed to use it, if it's not correct?
I think they define type-tag somewhere else but I might be wrong. I didn't use it, however.

My apply generic function was only like 2 lines (before I added some checking when a function couldn't be found in the table).

Basically, apply generic just uses the getTable function to find a function in the table based on a certain tag (like '(STRING STRING) for adding strings) then applies that function to the operands.

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As a start, you can define type-tag as:

(define (type-tag obj) (type obj))

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I found where they previously defined type-tag in the book, that and the other function named contents.

tmurphy2, the instructions say to use the apply-generic from the book to redefine operators, aren't we required to use it?

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Well, the instructions say "Your version of apply-generic..." so hopefully our apply-generic doesn't have to look exactly like the one found in the text.

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The instructions also say "Then, you will save old versions of the operators and define a function named install-generic for redefining operators to use the apply-generic function (from the text)."
and for installing the appropriate mathematical functions into the table: "I'm confused on where we are supposed to use the apply-generic function from the book? I have my code working without using it - I've just replaced the one from the example in the project description with my version of apply-generic.

Also, are we only supposed to implement operator functions to take anything else other than the 8 examples in the project description?

Subject: Re: Exercise 9
Posted by jrmelton on Fri, 28 Oct 2016 21:08:17 GMT
Can we assume valid input for ALL tasks?

Subject: Re: Exercise 9
Posted by jsandrews on Mon, 31 Oct 2016 03:22:05 GMT
Are we allowed to make any modifications to table.scm? Since we submit the whole directory it should contain the modified table.scm file when we do this.

Subject: Re: Exercise 9
Posted by jarobinson3 on Mon, 31 Oct 2016 04:29:12 GMT
Don't modify table.scm. I am just going to copy over it if you do and if you make any changes that you use it will fail and you will get a 0.