Some Information for Asmt. 3 in CMPU-181

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1 Citing References

This section illustrates how to cite references in a Latex document. For example, a webpage from the United Kingdom describes how to cite webpages using Latex and Bibtex [**?**]. Unfortunately, that webpage does not specify an author—which makes Bibtex complain, because it normally sorts the entries in the bibliography according to the names of the authors. In contrast, my own webpage has an author—me!—which means that Bibtex will like this citation much better [**?**].

Incidentally, I am very interested in the problem of modeling intentions in computer systems. The philosopher Michael Bratman wrote a very influential book on intentions [**?**]. He also wrote a journal article on what he calls "shared cooperative activity" [**?**]. Look at the entries in the `myrefs.bib` file.[1] Each entry provides information about one reference.

I said, "Hey there!" He replied "Halloo."

2 Presenting Scheme Interactions

Here is a Scheme function:

```
;;;  FACTY
;;; --------------------
;;;  INPUT:  N, a non-negative integer
;;;  OUTPUT:  The factorial of N:  1*2*...*(N-1)*N

(define facty
  (lambda (n)
    (if (= n 0)
        1
        (* n (facty (- n 1))))))
```

The "list" environment is used to provide a standard amount of indentation. In this case, the "list" only has one "item". That item is the "verbatim" text that

[1] Observe how the "tt" command—which is short for "teletype"—can be used to format some text in a "teletype" font. Also, check out how this footnote is created in Latex!

I copied from DrScheme's definitions window. Everything in the "verbatim" environment is presented as written, including all typed spaces and carriage returns (i.e., new lines).

Here are some interactions demonstrating the behavior of the `facty` function:

```
> (facty 3)
6
> (facty 4)
24
> (facty 8)
40320
```

I copied the above text directly from DrScheme's interactions window. For this assignment, you may find it useful to present some interactions from DrScheme that demonstrate your testing of the two sorting algorithms.

⇒ Be sure to look at the `sample.tex` file to see the Latex source code that generated the `sample.pdf` article!