Programming Language Paper and Presentation

Students are to work in assigned groups. Each group will select one of the languages listed below, provide a paper describing the language they have selected, and provide a 20 minute presentation describing the selected language.

Language List:

I am open to other languages, but I must approve their inclusion.

Paper:
The accompanying paper can be from any source. It can be also be composed from “Cut & Paste” pieces found on the WEB. If it is a “Cut and Paste” composition, it must be organized in a readable, coherent form. Provide all source attributions. Try to keep papers to 10 pages or less.

Each paper should provide a basic language overview indicating
(a) what is novel about the language,
(b) why it is important and
(c) describe some of its unique syntactical constructs and associated semantics
or alternatively
(a) what is (are) the objective(s) of the language
(b) how does the language achieve the objective(s), and
(c) describe some of its unique syntactical constructs and associated semantics

Each paper must be in MS .doc or Adobe PDF form.

All papers must be e-mailed to the class listserv no later than March 22nd. Each student is expected to have read each paper before it is presented.

Presentation:
Each group will have only 20 minutes to present an overview of their selected language. That overview is to provide an introduction to the language that includes: (a) what is the motivation behind the language (why is it important), what novel language features or characteristics reflect that motivation (or importance), and a sample “program” or “program stub” illustrating one or more of those features.

Each presentation must focus only the more important features and contributions of the language… the presenters will not have the time to provide an in-depth presentation of the language.

The presentation will be graded on organization, content, and individual presentation style. All students within a group must share in the presentation. (I am providing a sheet outlining the some of the presentation elements for which I will be looking.)

The presentations will occur in the order in which the languages are presented above (Alphabetically).
I encourage the students to search the web for an appropriate paper and for additional information to be used in their presentation. Web sites that can assist in finding information about their selected language are:

- http://sk.nvg.org/lang/
- http://www.engin.umd.umich.edu/CIS/course.des/cis400/
- cgibin.erols.com/ziring/cgi-bin/cep/cep.pl
- dmoz.org/Computers/Programming/Languages/
- www.cs.waikato.ac.nz/~marku/languages.html
- http://dir.yahoo.com/Computers_and_Internet/Programming_and_Development/Languages/
- http://free-compilers.sharnoff.org/

Post Presentation:

A 10-minute question and answer session will follow each presentation. Questions will come from the class and be directed to the presenters. I expect class participation – “Dead time” is Pop Quiz time!