Installing GHCI

• We will use Haskell Platform 2012.4
  
• Goto haskell.org
  
• Click on the Haskell platform
Installing the platform

- Choose your operating system
  - Windows
  - Mac
  - Linux
    - On Debian
      - `apt-get install ghc6`
- Follow directions
- Ask me if you have problems
Getting Help

• On Windows, in the directory where GHC is installed, there is a directory called “doc”

• In this directory is another directory called html, and here there is a file called “index.html”
Advice

• Arrange your screen with side by side windows
  – Editor
  – GHCI
  – Help
Learning what’s possible

- From the index page click on “The Users Guide”

- Scroll down to “Using GHCI”

- Explore
Writing a program

- Start up an editor
- Start up ghci
- Write a program in the editor,
- save the file
- “open” the file in ghci by using

:ll C:\tmp\X\Main.hs
Setting Options

• GHCi allows the user to set many options.
• I recommend use of the “show type option” especially for new users
  – :set +t
Interaction in Ghci

• Type an expression
• GHCI checks that it is well formed
  – Well-typed
• Evaluates the expression
  – Carries out the computation
• Prints the result
• And the Type