Programming Assignment 3
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Execution
- *Open terminal in the submission directory and run*
  - *`ghci`*
- *Next the submission file is loaded by*
  - *`:l B20CS003_B20CS007_PA3.hs`*
- *After loading and subsequent compilation, run the program by executing*
  - *`main`*

The program is self-sufficient. It will ask for inputs for the first 4 parts.
For parts 5 and 6; the inputs are hardcoded and can be easily changed by editing the .hs file.
If the file is changed it needed to be reloaded by runnung: `:r` and can again be executed by running `main`

```
ceyxasm@pop-os:~/.../CSL3040_PPL/PA3$ ghci
GHCi, version 9.2.5: https://www.haskell.org/ghc/  :? for help

<no location info>: warning: [-Wmissed-extra-shared-lib]
    libgmp.so: cannot open shared object file: No such file or directory
    It's OK if you don't want to use symbols from it directly.
    (the package DLL is loaded by the system linker
     which manages dependencies by itself).
ghci> :l B20CS003_B20CS007.hs
[1 of 1] Compiling Main             ( B20CS003_B20CS007.hs, interpreted )
Ok, one module loaded.
ghci> main

Program 1: add_and_double
"Enter 2 space separated integers:"
1 1
4

Program 2: solve_quadratic_equation
Enter a, b, c of the quadratic function in 3 lines:
1
2
1
(-1.0,-1.0)

Program 3: isPerfect
Enter an integer
6
True

Program 4: nextPerfect
4
6

Program 5: partitioned
partitioned [19,13,16,15,19,25,22]
Output: False

Program 6: connected
connected ["aa", "ab", "bb", "ba"]
Output: True
ghci>
```