Introductory programming – Part 1

Exercise: Simple Programs

Task 1

Write a program which describes all variables in the dataset and summarizes them

> Example:

```
. sysuse bplong, clear
(fictional blood-pressure data)

. task1

Contains data from /Applications/Stata/ado/base/b/bplong.dta
  obs:            240                          fictional blood-pressure data
 vars:              5                          1 May 2018 11:28

              storage   display    value
variable name   type    format     label      variable label

patient         int     %8.0g                 Patient ID
sex             byte    %9.0g      sex         Sex
agegrp          byte    %9.0g      agegrp      Age Group
when            byte    %8.0g      when        Status
bp              int     %9.0g                  Blood pressure

Sorted by: patient

    Variable  |      Obs       Mean    Std. Dev.      Min        Max

     patient  |      240       60.5     34.71221        1        120
         sex  |      240         .5      .5010449        0          1
      agegrp  |      240          2      .8182029        1          3
        when  |      240        1.5      .5010449        1          2
          bp  |      240   153.9042      13.0837       125        185
```

Task 2

Write a program that returns randomly one out of three pre-programmed messages

> Example:

```
. task2
Great to see you again!

. task2
It is such a nice day!
```