**Exercise 3 Question 2**

Read in the name and age of an unknown number of people. Type quit for name to terminate data entry. Determine the name of the oldest person. (linked data for highest/lowest value)

Input

|  |  |  |
| --- | --- | --- |
| ***name*** | ***type*** | ***availability*** |
| personName | string | kbd |
| age | integer | kbd |

Output

|  |  |  |
| --- | --- | --- |
| ***name*** | ***format*** | ***where*** |
| oldestPersonName | string | screen |
| oldestPersonAge | whole number | screen |

Processing

Algorithm for highest number (linked name to age)

**Testdata**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dataset 1 |  |  |  |  |
| personName | John | Susan | Mark | quit |
| age | 34 | 21 | 92 |  |
| oldestPersonName | | | | Mark |
| oldestPersonAge | | | | 92 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dataset 2 |  |  |  |  |
| personName | John | Susan | Mark | quit |
| age | 74 | 21 | 54 |  |
| oldestPersonName | | | | John |
| oldestPersonAge | | | | 74 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dataset 3 |  |  |  |  |
| personName |  |  |  | quit |
| age |  |  |  |  |
| oldestPersonName | | | | comment |
| oldestPersonAge | | | |  |

**Testing plan and PseudoCode**

Version 1

# enter data

Use while loop with quit for name to stop

Split data entry as age also to be entered

Version 2

#Find highest age (maximum algorithm) and link to name

Version 3

# validate data

No negative ages to be entered