S 5. Implement the class **Gardener** by respecting the diagram:

Gardener
- name : String
- age : Integer
- noFlowers : Integer
+ Gardener() <<c-tor>> + Gardener (String, Integer, Integer) <<c-tor>> + Gardener (Gardener) <<c-tor>> + operator=(Gardener) : Gardener + operator<(Gardener) : Gardener + operator>>(istream, Gardener) : istream <<friend>> + operator<<(ostream, Gardener) : ostream <<friend>>

In a flower garden there are more gardeners (the information about these gardeners is taken from a file). The "Smart" gardener has celebrated 60 years (and, therefore, his age must be changed). Each gardener has received (in addition) a number of flowers equal to his age. Print in a file all the gardeners sorted based on their number of flowers. Print on the screen all the gardeners whose names start by "C".