(take a number) Maintain a list of natural numbers standing for those that are “in use”. The three operations are:
• make the list empty (for initialization)
• assign to variable $n$ a number that is not in use, and add this number to the list (now it is in use)
• given a number $n$ that is in use, remove it from the list (now it is no longer in use, and it can be reused later)