# Practical Test for System and Network Hacking

*Master's Degree in Computer Engineering*

17 January 2024

1. (15 points) Please test our new remote object store. It includes the framework for loading secret data which will be used in future releases.

   Available commands (one per line of input):

   - n followed by either e or s: create a new object of type Echo or Secret and print its *id* (ignore the second number, it's just debugging stuff);
   - s followed by an *id*, followed by = and a (possibly empty) string: add a new string to the object;
   - g followed by an *id*: print all the strings stored in the object, one per line;
   - d followed by an *id*: delete an object.

   ## Hints

   1. Analysis of the bug (2 points);
   2. Attack plan (3 points).