7.1. Exit from the current `cephadm` shell. Start a new `cephadm` shell with the `/etc/ceph` directory as a bind mount.

```
[ceph: root@clienta /]# exit
exit
[admin@clienta ~]$ sudo cephadm shell --mount /etc/ceph/:/etc/ceph
```

7.2. Create a user called `client.fortestec`, with read and write capabilities in the namespace `docs` within the pool `testec`. Save the associated key-ring file as `/etc/ceph/ceph.client.fortestec.keyring` in the mounted directory.

```
[ceph: root@clienta /]# ceph auth get-or-create client.fortestec mon 'allow r' \
osd 'allow rw pool=test ec namespace=docs' \
-o /etc/ceph/ceph.client.fortestec.keyring
```

7.3. To verify your work, attempt to store and retrieve an object. The `diff` command returns no output when the file contents are the same. When finished, remove the object.

```
[ceph: root@clienta /]# rados --id fortestec -p testec -N docs \
put testdoc /etc/services
[ceph: root@clienta /]# rados --id fortestec -p testec -N docs \
get testdoc /tmp/test
[ceph: root@clienta /]# diff /etc/services /tmp/test
[ceph: root@clienta /]# rados --id fortestec -p testec -N docs rm testdoc
```

8. Upload the `/usr/share/doc/ceph/sample.ceph.conf` file as an object called `report` under the `docs` namespace in the pool called `testec`.

8.1. Use the `rados` command to upload the `/usr/share/doc/ceph/sample.ceph.conf` file.

```
[ceph: root@clienta ~]# rados --id fortestec -p testec -N docs \
put report /usr/share/doc/ceph/sample.ceph.conf
```

8.2. Obtain `report` object details to confirm that the upload was successful.

```
[ceph: root@clienta ~]# rados --id fortestec -p testec -N docs stat report
testec/report mtime 2021-10-29T11:44:21.000000+0000, size 19216
```

9. Update the OSD `near-capacity` limit information for the cluster. Set the `full` ratio to 90% and the `near-full` ratio to 86%.

9.1. Set the `full_ratio` parameter to 0.9 (90%) and the `nearfull_ratio` to 0.86 (86%) in the OSD map.

```
[ceph: root@clienta ~]# ceph osd set-full-ratio 0.9
osd set-full-ratio 0.9
[ceph: root@clienta ~]# ceph osd set-nearfull-ratio 0.86
osd set-nearfull-ratio 0.86
```

9.2. Dump the OSD map and verify the new value of the two parameters.