```
~/stage/reversestring docker ps -a
CONTAINER ID      IMAGE          COMMAND         CREATED            STATUS                    PORTS       NAMES
39b087d3f0ac      hello-world    "/hello"        About an hour ago  Exited (0) About an hour ago          infallible_brahmagupta
8f4efee9e05c      hello-world    "/hello"        About an hour ago  Exited (0) About an hour ago          wizardly_feistel
35f26a3feb45      hello-world    "/hello"        About an hour ago  Exited (0) About an hour ago          charming_mayer
94202dbd623d      f80194ae2e0c   "ping 8.8.8.8"  4 hours ago        Up 4 hours                            k8s_testpod_demo_default_0696
8dc0-2c4c-11ea-8684-025000000001_9

~/stage/reversestring |
```

List Docker Containers' Metadata   (vim)

```
 1 |
 2 function caption {
 3   export LBL=$1
 4   export PROMPT_COMMAND='echo -ne "\033]0;    $LBL    \007"'
 5 }
 6
 7
 8 function listdockercontainermetadata() {
 9
10   caption "List Docker Containers' Metadata"
11   echo -e "CONTAINER ID" ' \t'' \t' "IMAGE" ' \t'' \t' "COMMAND"
12
13   docker ps -a | grep "$1" | awk -v OFS='\t\t' '{print $1,$2,$3}' > Quelle;
14   sed -n 2,80p Quelle; rm Quelle
15 }
16
~
-- INSERT --
```

List Docker Containers' Metadata   (bash)

```
CONTAINER ID             IMAGE               COMMAND
39b087d3f0ac             hello-world         "/hello"
8f4efee9e05c             hello-world         "/hello"
35f26a3feb45             hello-world         "/hello"
94202dbd623d             f80194ae2e0c        "ping

~/Desktop |
```

Usage

After installing the two ßash functions shown above into either/both the canonical files ...

```
~/.bashrc
~/.bash_profile
```

… type **listd** + [**TAB**] - this combination auto-completes, expanding to the ßash function named `listdockercontainermetadata`.

Optionally, supply a character sequence that serves as a search criterion used to filter for those characters which (may be) present in value(s) in Docker's canonical 'CONTAINER ID' column.

You can find Containers' ID values as candidates to display in the abbreviated format, which is the purpose of the ßash function named `listdockercontainermetadata` -- the function being demo'd -- by using the Docker CLI command:

```
docker ps -a
```

ßreakdown

Line 13
```
docker ps -a | grep "$1" | awk -v OFS='\t\t' '{print $1,$2,$3}' > Quelle;
```

The statement between the first and second pipes (chars 16-25) filters the immense output of the canonical Docker command preceding it by applying the value of the (optional) CLI user input (that constitutes the search term).

The statement after the second pipe (chars 28-45) has awk clause specifying the Output Fields Separator (OFS) to be used for awk's output. Output is redirected -- via a canonical mask which specifies the desired columns -- to a temporary
work file (chars 46-73).

Line 14
```
sed -n 2,80p Quelle; rm Quelle
```

'sed' (Stream EDitor) is a built-in stream-parsing utility that operates on the contents of a file.

Note the **n** flag in position/char 6. That flag suppresses the printing of patterns to standard out (the console).

Likewise, note the **p** flag in position/char 12. That flag prints to standard out (the console).