

In God we trust  
Mehran mahabadi  
Cc project 2 report

Step 1:

```
Last login: Fri May 19 12:48:44 on ttys002
+ ~ cd cc_proj
+ cc_proj docker image ls
REPOSITORY          TAG      IMAGE ID      CREATED        SIZE
shortener          latest   23b7e40fec5e  20 hours ago  15.7MB
<none>              <none>   c77674d6ddbd  24 hours ago  15.7MB
<none>              <none>   d0c5b4be65d3  24 hours ago  15.7MB
<none>              <none>   9c2c513e5202  24 hours ago  15.7MB
<none>              <none>   fbf6b599bcce  24 hours ago  15.7MB
<none>              <none>   556930aec0f0  24 hours ago  15.7MB
<none>              <none>   e05834389b04  24 hours ago  15.7MB
<none>              <none>   9bbeb375dcaa  24 hours ago  15.7MB
<none>              <none>   01ff9d1e370d  24 hours ago  15.7MB
<none>              <none>   4eab9ac60259  24 hours ago  15.7MB
<none>              <none>   66f6ae0af68dd  25 hours ago  843MB
curl                latest   af5d76e34e21  3 days ago   9.92MB
curl                v0.0.0    af5d76e34e21  3 days ago   9.92MB
alpine              latest   fe0b566b2f96  4 days ago   95.9MB
kiamol/ch20-user-controller  latest   44dd6f223004  9 days ago   7.73MB
galon               latest   c5e7a08c24d   11 days ago  95.9MB
redis               latest   6cc68a0ed03b8  2 weeks ago  746MB
kiamol/ch20-user-controller  latest   2334573c576  2 weeks ago  111MB
kiamol/ch20-user-controller  latest   2f9460867cd1  2 weeks ago  95.9MB
kiamol/ch20-user-controller  latest   e84257b19877  3 weeks ago  95.9MB
kiamol/ch20-user-controller  latest   229f9e3f7bcf  5 weeks ago  95.9MB
mysql               8.0     21978c3803ca  6 weeks ago  544MB
kiamol/ch20-user-controller  latest   7f0c0b9d900ed 6 weeks ago  95.9MB
kiamol/ch20-user-controller  latest   cbd955168483  7 weeks ago  95.9MB
kiamol/ch20-user-controller  latest   f554f1fc45a  2 months ago  95.9MB
shst_10_alpine       latest   f12539e9ec67  2 months ago  165MB
<none>              <none>   2225cc66eb84  2 months ago  165MB
shst_ub_leg          latest   5c6f8e552a0b  2 months ago  243MB
shst_ub_root         latest   ffa354b805ad  2 months ago  243MB
<none>              <none>   986f612c4cc1  2 months ago  282MB
shst_ubuntu_12        latest   861e443f5766  2 months ago  282MB
shst_ubuntu          latest   2a74f894edb8  2 months ago  315MB
shst_10              latest   efddfee840cc  2 months ago  992MB
shst_10_linux_amd64  latest   efddfee840cc  2 months ago  992MB
my_base              latest   1e0de4f87901  2 months ago  849MB
<none>              <none>   0076c934fd17  2 months ago  968MB
sshst               latest   a2b03f6461cf  2 months ago  968MB
test_dock_buster_12  latest   a2b03f6461cf  2 months ago  968MB
sshst2              latest   20df867b2d01  2 months ago  1e+03MB
<none>              <none>   2e0182e0658c  2 months ago  1e+03MB
shst               latest   60799d468e5  2 months ago  1e+03MB
my-image             latest   e2e5073721b  2 months ago  1e+03MB
kiamol/ch20-user-controller  latest   27c9ff201289  2 months ago  95.9MB
kiamol/ch20-user-controller  latest   28c3c6b0104  2 months ago  95.9MB
image-registry.apps.private.okd4.teh-1.snapcloud.io/smapp-traffic/bifrost  1.18.9-production  c2111539db89  2 months ago  116MB
image-registry.apps.private.okd4.teh-2.snapcloud.io/smapp-traffic/bifrost  1.18.9-production  c2111539db89  2 months ago  116MB
kiamol/ch20-user-controller  latest   c4af32552e3c  2 months ago  95.9MB
helloz              latest   8010d6bc0c1d  3 months ago  21.7MB
```

```

kiamol/ch14-image-of-the-day          latest      cc6eb70b3efb  17 months ago  236MB
kiamol/ch14-access-log               latest      b5857fa8448  17 months ago  128MB
kiamol/ch13-kibana                  latest      d6414d8b6548  17 months ago  361MB
kiamol/ch13-elasticsearch            latest      68115ced5c1   17 months ago  337MB
kiamol/ch10-web-ping                latest      ffae50e82206  17 months ago  111MB
fluent/fluent-bit                  1.8.11    f7255ac4349b  17 months ago  166MB
docker/desktop-vpnkit-controller    v2.0      2edf9c994f19  2 years ago   19.2MB
docker/desktop-storage-provisioner  v2.0      c927e58fe0bb  2 years ago   39.8MB
nginx                               1.18-alpine f4ab10c6f38e  2 years ago   20.5MB
diamol/ch09-image-of-the-day       latest      8a8e62761b1b  2 years ago   239MB
diamol/ch04-image-of-the-day       latest      13880af86fb  2 years ago   235MB
diamol/ch09-image-gallery          latest      d0dd5d533572  2 years ago   30.7MB
diamol/ch03-lab                   latest      8a8853903859  2 years ago   6.89MB
diamol/ch04-image-gallery          latest      0af633bd03db  2 years ago   26.2MB
adminer                            4.7-standalone 784bd3608a38  2 years ago   79.8MB
diamol/ch06-lab                   latest      f20b7ad91ae8  2 years ago   237MB
diamol/ch08-numbers-web           v3        910ab5d55bcb  2 years ago   221MB
diamol/ch06-todo-list             latest      7c15e2c46d60  2 years ago   237MB
diamol/ch08-numbers-opt           v3        f2dd4632f965  2 years ago   220MB
diamol/ch02-hello-diamol          latest      c65623b61864  2 years ago   5.3MB
diamol/ch04-access-log            latest      f8b04a26ba6f  2 years ago   89.2MB
diamol/ch06-random-number         latest      3401c0c948a7  2 years ago   5.3MB
diamol/ch08-numbers-api           v2        1c48f9023bb1  2 years ago   218MB
diamol/ch08-numbers-web           v2        e7137ae1642f  2 years ago   220MB
diamol/ch09-access-log            latest      d855e688c1   2 years ago   91.7MB
postgres                           11.8-alpine c1280c34ec99  2 years ago   154MB
prom/prometheus                    v2.19.2   57ca657d6935  2 years ago   136MB
prom/blackbox-exporter            v0.17.0   8861dfedf861  2 years ago   21.1MB
nginx/nginx-prometheus-exporter  0.8.0     c900de14486f  2 years ago   15.3MB
fluent/fluent-bit                 1.4.6     d002a4c4529a  2 years ago   162MB
grafana/grafana                   6.7.4     5d5766a01bc  2 years ago   128MB
quay.io/coreos/kube-state-metrics nginx   6497f02dbdd  2 years ago   32.8MB
moby/buildkit                      v0.7.1    377e61b97e85  3 years ago   18.9MB
diamol/ch14-numbers-web           v5        619ab0f5fd9f  3 years ago   78.6MB
diamol/ch06-todo-list             latest      50178fdcd3d7  3 years ago   221MB
diamol/prometheus                 2.13.1    efc39595e2f3  3 years ago   237MB
chartmuseum/chartmuseum           v0.12.0   604f18986e72  3 years ago   123MB
postgres                           <none>    723c60d48e9  3 years ago   63.5MB
diamol/postgres                   v0.8.0   94d455984111  3 years ago   150MB
wrouesnel/postgres_exporter      11.5     94d455984111  3 years ago   150MB
diamol/postgres                   1.1.0    66b1d4e8d60c  3 years ago   12.8MB
justwatch/elasticsearch_exporter curl      99ee28edbef9  3 years ago   71.2MB
+ cc_proj docker run curl
+ cc_proj docker ps
CONTAINER ID  IMAGE          COMMAND      CREATED     STATUS      PORTS     NAMES
33868ce0a79bb  afd576e34e21  "/bin/sh -c 'while t_'"  44 minutes ago  Up 44 minutes  k8s_server_curl-8968cc8b8-1tccc_default_f61c2d1e-43c7-4f8c-8ef7-f538b1529851_0
58487b1be57   2334573dc576  "redis-server '--sav_'"  2 hours ago   Up 2 hours   k8s_server_redis-659cd5984d-qfpbtb_default_b9a67624-f5af-4945-9875-f5052b21273h_0
3e3ade294c7f  23b7e40fec5e  "/root/server"      2 hours ago   Up 2 hours   k8s_server_shortener-5ff6b587cc-ppq92_default_f9a0ce4-d394-4802-a14c-1313889b8b44_0
6bf22908d246  23b7e40fec5e  "/root/server"      2 hours ago   Up 2 hours   k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a0651cfcb4_0
+ cc_proj docker run -it curl
/ # [REDACTED]

```

```

/ # curl https://wttr.in/moon
[REDACTED]
| |
| | Last Quarter +
| | 6 19:00:04
| | New Moon -
| | 0 6:26:25
| |
| |
| |
Follow @igor_chubin for wttr.in updates
/ # [REDACTED]

```

## Step 2:

```
+ url-shortner git:(main) ✘ docker inspect shortener
[
{
  "Id": "sha256:23b7e40fec5e58a8d83347c3b15c0cc0087ae17f395986f9e670957a3557e187",
  "RepoTags": [
    "shortener:latest"
  ],
  "RepoDigests": [],
  "Parent": "",
  "Comment": "buildkit.dockerfile.v0",
  "Created": "2023-05-18T13:22:25.610779253Z",
  "Container": "",
  "ContainerConfig": {
    "Hostname": "",
    "Domainname": "",
    "User": "",
    "AttachStdin": false,
    "AttachStdout": false,
    "AttachStderr": false,
    "Tty": false,
    "OpenStdin": false,
    "StdinOnce": false,
    "Env": null,
    "Cmd": null,
    "Image": "",
    "Volumes": null,
    "WorkingDir": "",
    "Entrypoint": null,
    "OnBuild": null,
    "Labels": null
  },
  "DockerVersion": "",
  "Author": "",
  "Config": {
    "Hostname": "",
    "Domainname": "",
    "User": "",
    "AttachStdin": false,
    "AttachStdout": false,
    "AttachStderr": false,
    "Tty": false,
    "OpenStdin": false,
    "StdinOnce": false,
    "Env": [
      "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin"
    ],
    "Cmd": [
      "/root/server"
    ],
    "ArgsEscaped": true,
    "Image": "",
    "Volumes": null
  },
  "StdinOnce": false,
  "Env": [
    "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin"
  ],
  "Cmd": [
    "/root/server"
  ],
  "ArgsEscaped": true,
  "Image": "",
  "Volumes": null,
  "Labels": null
},
  "Architecture": "arm64",
  "Variant": "v8",
  "Os": "linux",
  "Size": 15704085,
  "VirtualSize": 15704085,
  "GraphDriver": {
    "Data": {
      "LowerDir": "/var/lib/docker/overlay2/qkzfz58ifz2z4izdu7wrrlqu8/diff:/var/lib/docker/overlay2/p8ipoolj9x1vlntmkobhnezt/diff:/var/lib/docker/overlay2/229c19b1229b6395eeef22a6889b79fdb089d75275dd680031775c7699eb64/diff",
      "MergedDir": "/var/lib/docker/overlay2/i5e94uth8fx0hon3gv0s8ehm/merged",
      "UpperDir": "/var/lib/docker/overlay2/i5e94uth8fx0hon3gv0s8ehm/diff",
      "WorkDir": "/var/lib/docker/overlay2/i5e94uth8fx0hon3gv0s8ehm/work"
    },
    "Name": "overlay2"
  },
  "RootFS": {
    "Type": "layers",
    "Layers": [
      "sha256:94ad7f531fr5695c0c033dc69f213c2b4c3b5a3ae6e497252ba88da87169c3f",
      "sha256:f70bf18a086007016e948b04acd3b82103d360ea41755b6cdffaf10ce3c6ef",
      "sha256:2d3cd27bb664ac71cf5167b2af61eb8de3ec3720cb5dde208c8f46f1e16f",
      "sha256:8551dfc5ff461a0079a274bb2090471bb42936f562ef74b0c0f10b7483c4b9f9"
    ]
  },
  "Metadata": {
    "LastTagTime": "2023-05-18T13:22:25.642616045Z"
  }
}
]
+ url-shortner git:(main) ✘ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5e8002a24cec redis "docker-entrypoint.s..." 8 minutes ago Up 8 minutes 6379/tcp redis
3386cea98bb afdf576e34e21 "/bin/sh -c 'while t..." About an hour ago Up About an hour k8s._server._curl-8968cc88b-1tccc_default_f61c2d1e-43c7-4f8c-8ef7-f538b1529851_0
58487b1be57 2334573cc576 "redis-server '--so..." 2 hours ago Up 2 hours k8s._server.redis-659cd5984d-f5af-4945-9875-f5952b21273b_0
3e30de294c7f 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours k8s._server.shortener-5ff6b587cc-pqq92_default_f9a900ce4-d394-48a2-a14c-1313889b8b44_0
6bf22908d246 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours k8s._server.shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a051c1fcf4_0
+ url-shortner git:(main) ✘
```

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
5e8002a24cec	redis	0.27%	5.34MiB / 3.841GiB	0.14%	1.16kB / 0B	3.06MB / 0B	5
33868ce079bb	k8s_server_curl-8968cc8b8-1tccc.default_f61c2d1e-43c7-4f8c-8ef7-f538b1529851_0	0.00%	668KiB / 3.841GiB	0.02%	0B / 0B	73.7kB / 16.4kB	3
58487b1b6e57	k8s_server_redis-659cd5984d-afptb.default_b9a67624-f5af-4945-9875-f5052b2173b_0	0.29%	2.531MiB / 3.841GiB	0.06%	0B / 0B	0B / 0B	5
3e5ade294c7f	k8s_server_shortener-5ff6b587cc-pqg92.default_f9a90ce4-d394-48a2-a14c-1313889b8b44_0	0.00%	1.281MiB / 3.841GiB	0.03%	0B / 0B	0B / 0B	5
6bf22908d246	k8s_server_shortener-5ff6b587cc-7cvf6.default_7e0ccb5d-fd1d-4b3e-a04c-41a651cfcb4_0	0.00%	3.371MiB / 3.841GiB	0.09%	0B / 0B	0B / 0B	6

```
~] -url-shortner (-zsh)
6bf22908d246 k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba_0 0.00% 3.371MiB / 3.841GiB 0.09% 0B / 0B 0B / 0B 6
CONTAINER ID NAME CPU % MEM USAGE / LIMIT MEM % NET I/O BLOCK I/O PIDS
5e002a24ec redis 0.18% 5.34MiB / 3.841GiB 0.14% 1.16KiB / 0B 3.06MiB / 0B 5
5e002a24ec redis 0.00% 668KiB / 3.841GiB 0.02% 0B / 0B 73.7KiB / 0B 16.4KiB 3
5e84871b6e57 k8s_server_curl-8968cc8b8-ltccc_default_f61c2d1e-43c7-4f8c-8ef7-f538b1529851_0 0.00% 2.531MiB / 3.841GiB 0.06% 0B / 0B 0B / 0B 5
5e84871b6e57 k8s_server_redis-659c5984d-qfptb_default_b9a67624-f5af-4945-9875-f5052b21273b_0 0.24% 1.281MiB / 3.841GiB 0.03% 0B / 0B 0B / 0B 5
3e3ade294c75 k8s_server_shortener-5ff6b587cc-pgg92_default_f9a90ce4-d394-48a2-a14c-1313889b8b44_0 0.00% 0B / 0B 0B / 0B 0B / 0B 5
6bf22908d246 k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba_0 0.00% 3.371MiB / 3.841GiB 0.09% 0B / 0B 0B / 0B 6

~] url-shortner git:(main) x docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5e002a24ec redis "docker-entrypoint.s..." 11 minutes ago Up 11 minutes 6379/tcp redis
33868ce079bb af5d76e34e21 "/bin/sh -c \"while t..." About an hour ago Up About an hour
5e84871b6e57 2334573c576 "redis-server --sav..." 2 hours ago Up 2 hours
3e3ade294c75 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours
6bf22908d246 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours
k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba_0
k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba_0

~] url-shortner git:(main) x docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
39eb9b08f09f shortener "/root/server" 8 seconds ago Up 8 seconds 0.0.0.0:8080->8080/tcp wizardly_swirles
5e002a24ec redis "docker-entrypoint.s..." 11 minutes ago Up 12 minutes 6379/tcp redis
33868ce079bb af5d76e34e21 "/bin/sh -c \"while t..." About an hour ago Up About an hour
5e84871b6e57 2334573c576 "redis-server --sav..." 2 hours ago Up 2 hours
3e3ade294c75 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours
6bf22908d246 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours
k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba_0
k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba_0

~] url-shortner git:(main) x
x ~ (-zsh) x docker (docker)
Last Login: Fri May 19 13:16:00 on ttys005
~] curl localhost:8080 -H "Content-Type: application/json" -d '{ "url" : "https://poe.com/ChatGPT" }'
{"LongUrl":"https://poe.com/ChatGPT","shortUrl":"https://gotiny.cc/k6ypm3","isCached":true,"hostName":"localhost:8080"}]
~] curl localhost:8080 -H "Content-Type: application/json" -d '{ "url" : "https://docs.google.com/document/d/1Jg380B98rSza_F9eLZPNVF-8sII2t_SjzGH3uU7o-HA/editT" }'
>{"LongUrl":"https://docs.google.com/document/d/1Jg380B98rSza_F9eLZPNVF-8sII2t_SjzGH3uU7o-HA/editT","shortUrl":"https://gotiny.cc/abmZcx","isCached":false,"hostName":"localhost:8080"}]
~] curl localhost:8080 -H "Content-Type: application/json" -d '{ "url" : "https://docs.google.com/document/d/1Jg380B98rSza_F9eLZPNVF-8sII2t_SjzGH3uU7o-HA/editT" }'
>{"LongUrl":"https://docs.google.com/document/d/1Jg380B98rSza_F9eLZPNVF-8sII2t_SjzGH3uU7o-HA/editT","shortUrl":"https://gotiny.cc/abmZcx","isCached":true,"hostName":"localhost:8080"}]
~] ~
```

## Step 3 :

```

× ~/url-shortner (~zsh)
6bf22908a246 k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba4_0 0.00% 3.371MiB / 3.841GiB 0.09% 0B / 0B 0B / 0B 6
CONTAINER ID NAME CPU % MEM USAGE / LIMIT NET I/O BLOCK I/O PIDS
5e8002a24cec redis 0.18% 5.34MiB / 3.841GiB 0.14% 1.16kB / 0B 3.06MB / 0B 5
33868ce0a79bb k8s_server_curl-8968cc8b8-1tccc_default_f61c2d1e-43c7-4f8c-8ef7-f538b1529851_0 0.00% 668KiB / 3.841GiB 0.02% 0B / 0B 73.7kB / 16.4kB 3
58487b1be657 k8s_server_redis-659cd5984d-qfptb_default_b9a67624-f5af-4945-9875-f5052b21273b_0 0.24% 2.531MiB / 3.841GiB 0.06% 0B / 0B 0B / 0B 5
3e3ade294c7f k8s_server_shortener-5ff6b587cc-pgq92_default_f9a90ce4-d394-48a2-a14c-1313889b8044_0 0.00% 1.281MiB / 3.841GiB 0.03% 0B / 0B 0B / 0B 5
6bf22908a246 k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba4_0 0.00% 3.371MiB / 3.841GiB 0.09% 0B / 0B 0B / 0B 6
^C
+ url-shortner git:(main) ✘ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5e8002a24cec redis "docker-entrypoint.s..." 11 minutes ago Up 11 minutes 6379/tcp redis
33868ce0a79bb afdf576e34e21 "/bin/sh -c 'while t..." About an hour ago Up About an hour k8s_server_curl-8968cc8b8-1tccc_default_f61c2d1e-43c7-4f8c-8ef7-f538b1529851_0
58487b1be657 2334573c576 "redis-server --sav..." 2 hours ago Up 2 hours k8s_server_redis-659cd5984d-qfptb_default_b9a67624-f5af-4945-9875-f5052b21273b_0
3e3ade294c7f 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours k8s_server_shortener-5ff6b587cc-pgq92_default_f9a90ce4-d394-48a2-a14c-1313889b8044_0
6bf22908a246 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba4_0
+ url-shortner git:(main) ✘ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
89eb9b8fc9f shortener "/root/server" 8 seconds ago Up 8 seconds 0.0.0.0:8080->8080/tcp wizardly_swirlies
5e8002a24cec redis "docker-entrypoint.s..." 12 minutes ago Up 12 minutes 6379/tcp redis
33868ce0a79bb afdf576e34e21 "/bin/sh -c 'while t..." About an hour ago Up About an hour k8s_server_curl-8968cc8b8-1tccc_default_f61c2d1e-43c7-4f8c-8ef7-f538b1529851_0
58487b1be657 2334573c576 "redis-server --sav..." 2 hours ago Up 2 hours k8s_server_redis-659cd5984d-qfptb_default_b9a67624-f5af-4945-9875-f5052b21273b_0
3e3ade294c7f 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours k8s_server_shortener-5ff6b587cc-pgq92_default_f9a90ce4-d394-48a2-a14c-1313889b8044_0
6bf22908a246 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba4_0
+ url-shortner git:(main) ✘
× ~ (-zsh)
Last login: Fri May 19 12:48:57 on ttys004
+ curl localhost:8080 -H "Content-Type: application/json" -d '{ "url" : "https://poe.com/ChatGPT" }'
{"longUrl": "https://poe.com/ChatGPT", "shortUrl": "https://gotiny.cc/k6ypm3", "isCached": true, "hostName": "localhost:8080"}*
+ curl localhost:8080 -H "Content-Type: application/json" -d '{ "url" : "https://docs.google.com/document/d/1Jg3808985za_f9eLZPNVf-8sII2t_5jzGH3u7o-HA/edit" }'
{"longUrl": "https://poe.com/ChatGPT", "shortUrl": "https://gotiny.cc/k6ypm3", "isCached": true, "hostName": "localhost:8080"}*
+ curl localhost:8080 -H "Content-Type: application/json" -d '{ "url" : "https://docs.google.com/document/d/1Jg3808985za_f9eLZPNVf-8sII2t_5jzGH3u7o-HA/edit" }'
{"longUrl": "https://docs.google.com/document/d/1Jg3808985za_f9eLZPNVf-8sII2t_5jzGH3u7o-HA/edit", "shortUrl": "https://gotiny.cc/abm2cx", "isCached": false, "hostName": "localhost:8080"}*
+ curl localhost:8080 -H "Content-Type: application/json" -d '{ "url" : "https://docs.google.com/document/d/1Jg3808985za_f9eLZPNVf-8sII2t_5jzGH3u7o-HA/edit" }'
{"longUrl": "https://docs.google.com/document/d/1Jg3808985za_f9eLZPNVf-8sII2t_5jzGH3u7o-HA/edit", "shortUrl": "https://gotiny.cc/abm2cx", "isCached": true, "hostName": "localhost:8080"}*
+ ~ | []
× docker (docker)
Last login: Fri May 19 13:16:00 on ttys005
+ ~ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5e8002a24cec redis "docker-entrypoint.s..." 10 minutes ago Up 10 minutes 6379/tcp
p_redis 33868ce0a79bb afdf576e34e21 "/bin/sh -c 'while t..." About an hour ago Up About an hour k8s_server_curl-8968cc8b8-1tccc_default_f61c2d1e-43c7-4f8c-8ef7-f538b1529851_0
58487b1be657 2334573c576 "redis-server --sav..." 2 hours ago Up 2 hours k8s_server_redis-659cd5984d-qfptb_default_b9a67624-f5af-4945-9875-f5052b21273b_0
3e3ade294c7f 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours k8s_server_shortener-5ff6b587cc-pgq92_default_f9a90ce4-d394-48a2-a14c-1313889b8044_0
6bf22908a246 23b7e40fec5e "/root/server" 3 hours ago Up 3 hours k8s_server_shortener-5ff6b587cc-7cvf6_default_7e0ccb3d-fd1d-4b3e-a04c-41a651c1fcba4_0
+ ~ docker run --network short -p 8080:8080 shortener
2023/05/19 09:47:58 {Port:8080 Database:[URL:redis:6379 Expiration:5m0s}}

```

## Step 4:





