۱. ارسال ایمیج ساخته شده بر روی داکرهاب و نتیجهی آن:

```
r ~/PycharmProjects/CC-2 DanialH danials-MacBook-Pro-2:s002 ¬ (Sat,Apr23) docker push nialda/curl:latest — (Sat,Apr23) |
The push refers to repository [docker.io/nialda/curl]
79af4c8a0e00: Pushed
4fc242d58285: Pushed
latest: digest: sha256:5337a7b020821291fa749e1b61cc1f80fcfc4449bb8e1d0fcc4c75f23da89bb1 size: 738
```

۲ و ۳. دریافت ایمیج ساخته شده از داکرهاب، اجرا و خروجی دستور curl:

```
PanialH danials-MacBook-Pro-2:s002 ¬

| ~ (18.05:37) → docker run -it nialda/curl |

/* curl google.com |

AHTML>-AHEAD>-meta http-equiv="content-type" content="text/html;charset=utf-8">

AHTML-AHEAD>-Meta http-equiv="content-type" content="text/html;charset=utf-8">

AHEADA--Meta http-equiv="text/html;charset=utf-8">

AHEADA--Meta http-equiv="text/html;charset=utf-8">

AHEADA--Meta http-equiv="text/html;charset=utf-8">

AHEADA--Meta http-equiv="text/html;charset=utf-8">

AHEADA--Meta http-equiv="text/html;charset=utf-8">

AHEADA--Meta http-
```

۱. Build کردن ایمیج با استفاده از Build

۲. ارسال ایمیج ساخته شده بر روی داکرهاب و نتیجهی آن:

```
| Construction | Cons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                K-Pro-2:s002 —
—(Sat,Apr23)—
                                                                                                                                                                                                                                                                                                                                                                                                                                                           PORT(S)
443/TCP
80/TCP
                                                                                                                                                                                                                                                                                                                                                       EXTERNAL-IP
                  -/PycharmProjects/CC-2

(20:52:22) → kubectl get configmap

ME DATA AGE

be-root-ca.crt 1 228d

rver 1 134m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DanialH danials-MacBook-Pro-2:s002 → 
--(Sat,Apr23)→
   server
   server-config
                                                                                                                                                                                                 125m
                 rver-contig 1 125m
-/PycharmProjects/CC-2
-(20:52:38) → kubectl get deployment
ME READY UP-TO-DATE AVAILABLE
rver Z/2 2 2
-/PycharmProjects/CC-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nialH danials-MacBook-Pro-2:s002 →

—(Sat,Apr23)→
                                                                                                                                                                                                                                                                                                                       AGE
131m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DanialH danials-MacBook-Pro-2:s002 ¬
—(Sat,Apr23) →
               - √PycharmProjects/CC-2
- (20:53:18) → kubectl get replicaset

MME DESIRED CURRENT

erver-5-876f6b9c 0 0

erver-566655787 0 0

erver-669dd7977d 2 2

erver-6744b47786 0 0

erver-67474c68d5 0

erver-67474c68d5 0 0

erver-67696665c 0 0

erver-85b49b4c94 0 0

erver-8559bc687b 0 0

erver-8559bc687b 0 0

erver-8559bc87b 0 0

erver-8659bc87b 0 0

erver-8659bc87bc87b 0 0

erver-8659bc87bc87b 0 0

erver-8659bc87bc87b 0 0

erver-8659bc87bc87b 0 0

erver-86769bg87b 0 0
                                                                                                                                                                                                                                                                                                                                                                  AGE
76m
77m
79m
2m19s
83m
98m
85m
99m
3m24s
73m
75m
NAME
server-5c87df6b9c
server-5f86655787
server-5fd6f545d6
server-669dd7977d
server-67d4bd7f86
   server-85bd9b4c94
server-8657bcc87b
server-86594b69b8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DanialH danials-MacBook-Pro-2:s002 ¬

—(Sat,Apr23)→
                                                                                                                     kubectl get pod
READY
                                                                                                                                                                                                                                                            STATUS
Running
Running
                                                                                                                                                                                                                                                                                                                                    RESTARTS
0
0
server-669dd7977d-8dmkj
server-669dd7977d-xpknl
```

۲. آدرس IP پادها و نحوهٔ برقراری ارتباط میان آنها و سرویس ساخته شده

```
kubectl describe service
                                             kubernetes
default
component=apiserver
provider=kubernetes
Namespace:
Labels:
 Annotations:
Selector:
                                               <none>
                                             cnone>
ClusterIP
SingleStack
IPv4
10.966.0.1
10.966.0.1
https 443/TCP
8443/TCP
192.168.64.2:8443
None
Type:
IP Family Policy:
IP Families:
TargetPort:
Endpoints:
Session Affinity:
Events:
                                             None
<none>
                                              server-service
default
Namespace:
Labels:
Annotations:
Selector:
                                              <none>
                                              app=server
ClusterIP
SingleStack
IPv4
10.108.138.252
10.108.138.252
 Type:
IP Family Policy:
IP Families:
                                              201.100.130.252

201.555 80/TCP

8000/TCP

172.17.0.4:8000,172.17.0.5:8000
 Port:
TargetPort:
Endpoints:
Session Affinity:
Events:
```

۲. چند مورد از درخواستهای ارسال شده به پروژه خود همراه با توزیع بار میان پادها

```
Ambienty Co./ Busine Management Medical Prod-Physham Properture": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("nostname": "server-78067874-zcrid", "temperature": 26, "meather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Jostname": "server-78067874-zcrid", "temperature": 26, "meather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Jostname": "server-78067874-zcrid", "temperature": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Jostname": "server-78067874-zcrid", "temperature": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Jostname": "server-78067874-zcrid", "temperature": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Instrume": "server-78067874-zcrid", "temperature": 26, "meather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Fostname": "server-78067874-zcrid", "temperature": 26, "meather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Fostname": "server-780678774-zcrid", "temperature": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Fostname": "server-780678774-zcrid", "temperature": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Fostname": "server-780678774-zcrid", "temperature": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Fostname": "server-780678774-zcrid", "temperature": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Fostname": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "humidity": 11, "feelslike": 24]/ # ("Fostname": 26, "weather_descriptions": ["Partly cloudy"], "wind_speed": 4, "hu
```

۳. دستور مورد استفاده برای اجرا کردن ایمیج گام اول

```
r -/PycharmProjects/CC-2 DanialH danials-MacBook-Pro-2:s002 - (20:56:56) - kubectl run curl-pod --image nialda/curl:latest -i -t

If you don't see a command prompt, try pressing enter.

/ # curl server-service
```