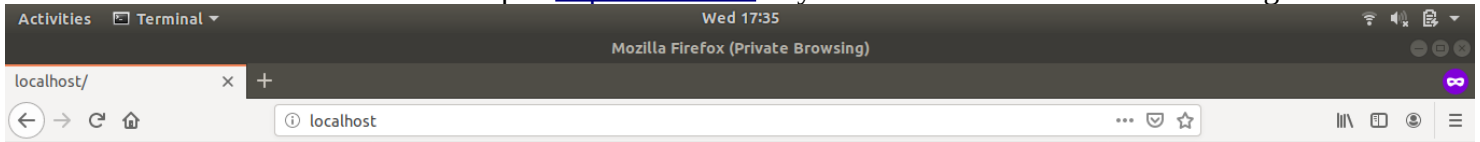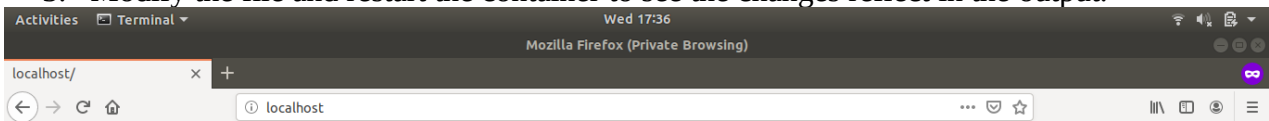**Docker compose**
2: Create a volume, mount the volume and configure it in docker-compose.yaml file such that the code can be edited inside the container without having to rebuild the docker image. Use the same Web application created in Task 1 to test.

1. Modify the docker-compose.yml to add the config for volume.
2. Create the service and open http://localhost/ in your browser. You'll see the folowing:

3. Modify the file and restart the container to see the changes reflect in the output.

```
          avinash@Quantiphi-929: ~/Documents/containerization/asgn/q3        ×              avinash@Quantiphi-929: ~/Documents/containerization/asgn/q3         ×
ver /path/to/redis.conf
redis_1  | 1:M 31 Jul 2019 12:05:30.105 * Running mode=standalone, port=6379.
redis_1  | 1:M 31 Jul 2019 12:05:30.106 # WARNING: The TCP backlog setting of 511 cannot be enforced because /proc/sys/net/core/somaxconn is set to th
e lower value of 128.
redis_1  | 1:M 31 Jul 2019 12:05:30.106 # Server initialized
redis_1  | 1:M 31 Jul 2019 12:05:30.106 # WARNING overcommit_memory is set to 0! Background save may fail under low memory condition. To fix this issu
e add 'vm.overcommit_memory = 1' to /etc/sysctl.conf and then reboot or run the command 'sysctl vm.overcommit_memory=1' for this to take effect.
redis_1  | 1:M 31 Jul 2019 12:05:30.106 # WARNING you have Transparent Huge Pages (THP) support enabled in your kernel. This will create latency and m
emory usage issues with Redis. To fix this issue run the command 'echo never > /sys/kernel/mm/transparent_hugepage/enabled' as root, and add it to you
r /etc/rc.local in order to retain the setting after a reboot. Redis must be restarted after THP is disabled.
redis_1  | 1:M 31 Jul 2019 12:05:30.106 * Ready to accept connections
web_1    | 172.19.0.1 - - [31/Jul/2019 12:05:33] "GET / HTTP/1.1" 200 -
^CGracefully stopping... (press Ctrl+C again to force)
Stopping q3_web_1    ... done
Stopping q3_redis_1 ... done
avinash@Quantiphi-929:~/Documents/containerization/asgn/q3$ docker start $(docker ps -aq)
00b759d65217
4d5e5faa1649
avinash@Quantiphi-929:~/Documents/containerization/asgn/q3$ docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED             STATUS              PORTS                    NAMES
00b759d65217        q3_web              "flask run"              About a minute ago  Up 28 seconds       0.0.0.0:80->5000/tcp     q3_web_1
4d5e5faa1649        redis:alpine        "docker-entrypoint.s…"   About a minute ago  Up 26 seconds       6379/tcp                 q3_redis_1
avinash@Quantiphi-929:~/Documents/containerization/asgn/q3$ docker image ls
REPOSITORY                          TAG                 IMAGE ID            CREATED             SIZE
q3_web                              latest              4db1dc99da19        About a minute ago  213MB
asia.gcr.io/pe-training/av-q1-nginx latest              dc775588efc7        4 hours ago         151MB
aavinashves/q1-nginx                latest              dc775588efc7        4 hours ago         151MB
q1-nginx                            latest              dc775588efc7        4 hours ago         151MB
q1-nginx                            v2.0                dc775588efc7        4 hours ago         151MB
q1-nginx                            v1.0                76e41673b073        5 hours ago         64.2MB
python                              3.7-alpine          930a7e894675        36 hours ago        98.7MB
flash-sample                        v1                  1ff1573f1a46        2 days ago          417MB
flask-sample-one-av                 latest              1ff1573f1a46        2 days ago          417MB
nginx                               latest              e445ab08b2be        7 days ago          126MB
ubuntu                              16.04               5e13f8dd4c1a        7 days ago          120MB
ubuntu                              latest              3556258649b2        7 days ago          64.2MB
redis                               alpine              d975eaec5f68        2 weeks ago         51.1MB
hello-world                         latest              fce289e99eb9        7 months ago        1.84kB
avinash@Quantiphi-929:~/Documents/containerization/asgn/q3$
```