## Part 1

```
(dlonedge) yurui@yuruipi:~/lab5 $ python3 mobile_net.py
home/yurui/lab5/dlonedge/lib/python3.11/site-packages/torchvision/models/_utils/
py:208: UserWarning: The parameter 'pretrained' is deprecated since 0.13 and may be removed in the future, please use 'weights' instead.
 warnings.warn(
home/yuru1/lab5/dlonedge/lib/python3.11/site-packages/torchvision/models/_utils/
py:223: UserWarning: Arguments other than a weight enum or `None` for 'weights' are deprecated since 0.13 and may be removed in the future. The current behavio
 is equivalent to passing `weights=MobileNet_V2_Weights.IMAGENET1K_V1`. You can
also use `weights=MobileNet_V2_Weights.DEFAULT` to get the most up-to-date weig
 warnings.warn(msg)
     -----0.47715373964606494 fps -----
  ======5.5009201416705595 fps =========
      -----5.5107905256484795 fps -----
     -----5.567104698181664 fps -----
       =====5.531710179969776 fps =========
     -----5.512894690838927 fps -----
       =====5.479083280209847 fps =========
     -----5.520258014531414 fps -----
     ======5.5404201863272675 fps =========
```

## Part 2

```
(dlonedge) yurui@yuruipi:~/lab5 $ python3 mobile_net.py
home/yurui/lab5/dlonedge/lib/python3.11/site-packages/torchvision/models/_utils
py:208: UserWarning: The parameter 'pretrained' is deprecated since 0.13 and ma
be removed in the future, please use 'weights' instead.
 warnings.warn(
home/yurui/lab5/dlonedge/lib/python3.11/site-packages/torchvision/models/_utils/
.py:223: UserWarning: Arguments other than a weight enum or `None` for 'weights' are deprecated since 0.13 and may be removed in the future. The current behavio
r is equivalent to passing `weights=MobileNet_V2_QuantizedWeights.IMAGENET1K_QNN
PACK_V1`. You can also use `weights=MobileNet_V2_QuantizedWeights.DEFAULT` to ge
 the most up-to-date weights.
 warnings.warn(msg)
home/yurui/lab5/dlonedge/lib/python3.11/site-packages/torch/ao/quantization/uti/
ls.py:408: UserWarning: must run observer before calling calculate_qparams. Retu
rning default values.
 warnings.warn(
Downloading: "https://download.pytorch.org/models/quantized/mobilenet_v2_qnnpack
_37f702c5.pth" to /home/yuru1/.cache/torch/hub/checkpoints/mobilenet_v2_qnnpack
100.0%
home/yuru1/lab5/dlonedge/l1b/python3.11/s1te-packages/torch/_ut1ls.py:410: User/
warning: TypedStorage is deprecated. It will be removed in the future and Untype
dStorage will be the only storage class. This should only matter to you if you
e using storages directly. To access UntypedStorage directly, use tensor.untyp
ed_storage() instead of tensor.storage()
 device=storage.device,
     ======0.49835953689904294 fps =========
      =====22.338779572504418 fps ==========
      -----20.037103968639613 fps ------
      -----22.313868999774478 fps -----
       ----24.020439144728176 fps -----
       =====24.13106279213787 fps =========
      -----24.039096177155184 fps ------
      -----24.12871396487611 fps ------
     ======24.028260777904677 fps =========
      =====24.129152600018273 fps ==========
```



```
File Edit Tabs Help
 5.19% space bar
13.65% typewriter keyboard
9.64% honeycomb
9.47% cinema
0.25% doormat
 .25% laptop
2.49% computer keyboard
20.95% space bar
20.95% typewriter keyboard
0.84% abacus
34% notebook
0.18% laptop
0.16% cinema
0.16% tile roof
59.20% computer keyboard
23.62% space bar
14.92% typewriter keyboard
0.18% waffle iron
0.10% honeycomb
0.10% laptop
0.07% mouse
9.06% hand-held computer
     =====6.746275433416436 fps ======
49.56% computer keyboard
26.86% space bar
0.27% notebook
0.20% honeycomb
0.17% tile roof
0.13% laptop
```