```
# prompt: coonect to drive

from google.colab import drive
drive.mount('/content/drive')
```

> Mounted at /content/drive
> Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).

```
# prompt: cd to fice-main in drive

import os
os.chdir('/content/drive/My Drive/FICE-main/FICE-main')
```

```
from google.colab import drive
drive.mount('/content/drive')
```

> Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).

```
# prompt: What is next prompt
```

```
!ls
```

> checkpoints   download.sh   LICENCE   models   README.md   utils.py
> checkpoints.tar.xz   evaluation.py   main.py   output   requirements.txt
> download_models.sh   imgs   misc_scripts   __pycache__ trainer.py

```
# prompt: next command
```

```
!pip install -r requirements.txt
```

```
it (from -r requirements.txt (line 5))
 /tmp/pip-req-build-aoowy7cm
github.com/facebookresearch/detectron2.git /tmp/pip-req-build-aoowy7cm
o commit 0ae803b1449cd2d3f8fa1b7c0f59356db10b3083

irements.txt (line 6))
ild-djg565gt
github.com/openai/CLIP.git /tmp/pip-req-build-djg565gt
33d7111c9c014f024669f959182114e33

10/dist-packages (from -r requirements.txt (line 1)) (2.2.1+cu121)
n3.10/dist-packages (from -r requirements.txt (line 2)) (1.13)

inux2014_x86_64.whl (33.8 MB)
 MB/s eta 0:00:00
10/dist-packages (from -r requirements.txt (line 4)) (1.11.4)
n3.10/dist-packages (from torch->-r requirements.txt (line 1)) (3.14.0)
/local/lib/python3.10/dist-packages (from torch->-r requirements.txt (line 1)) (4.11.0)
10/dist-packages (from torch->-r requirements.txt (line 1)) (1.12)
n3.10/dist-packages (from torch->-r requirements.txt (line 1)) (3.3)
.10/dist-packages (from torch->-r requirements.txt (line 1)) (3.1.4)
.10/dist-packages (from torch->-r requirements.txt (line 1)) (2023.6.0)
uirements.txt (line 1))
ux1_x86_64.whl (23.7 MB)
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x86_64.whl (121.6 MB)
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uirements.txt (line 1))
ux1_x86_64.whl (124.2 MB)
uirements.txt (line 1))
ux1_x86_64.whl (196.0 MB)
s.txt (line 1))
64.whl (166.0 MB)
nts.txt (line 1))
6_64.whl (99 kB)
python3.10/dist-packages (from torch->-r requirements.txt (line 1)) (2.2.0)
.4.5.107->torch->-r requirements.txt (line 1))
x2014_x86_64.whl (21.1 MB)
cal/lib/python3.10/dist-packages (from scipy->-r requirements.txt (line 4)) (1.25.2)
thon3.10/dist-packages (from detectron2==0.6->-r requirements.txt (line 5)) (9.4.0)
hon3.10/dist-packages (from detectron2==0.6->-r requirements.txt (line 5)) (3.7.1)
/lib/python3.10/dist-packages (from detectron2==0.6->-r requirements.txt (line 5)) (2.0.7)
/python3.10/dist-packages (from detectron2==0.6->-r requirements.txt (line 5)) (2.4.0)
xt (line 5))

n3.10/dist-packages (from detectron2==0.6->-r requirements.txt (line 5)) (0.9.0)
thon3.10/dist-packages (from detectron2==0.6->-r requirements.txt (line 5)) (2.2.1)
thon3.10/dist-packages (from detectron2==0.6->-r requirements.txt (line 5)) (4.66.4)
thon3.10/dist-packages (from detectron2==0.6->-r requirements.txt (line 5)) (2.15.2)
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ne 5))
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on3.10/dist-packages (from detectron2==0.6->-r requirements.txt (line 5)) (24.0)


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10/dist-packages (from clip==1.0->-r requirements.txt (line 6)) (2023.12.25)
thon3.10/dist-packages (from clip==1.0->-r requirements.txt (line 6)) (0.17.1+cu121)
thon3.10/dist-packages (from fvcore<0.1.6,>=0.1.5->detectron2==0.6->-r requirements.txt (line 5)) (6.0.1)
>detectron2==0.6->-r requirements.txt (line 5))

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=0.6->-r requirements.txt (line 5))

ib/python3.10/dist-packages (from matplotlib->detectron2==0.6->-r requirements.txt (line 5)) (1.2.1)
ython3.10/dist-packages (from matplotlib->detectron2==0.6->-r requirements.txt (line 5)) (0.12.1)
lib/python3.10/dist-packages (from matplotlib->detectron2==0.6->-r requirements.txt (line 5)) (4.51.0)
lib/python3.10/dist-packages (from matplotlib->detectron2==0.6->-r requirements.txt (line 5)) (1.4.5)
```

```
ib/python3.10/dist-packages (from matplotlib->detectron2==0.6->-r requirements.txt (line 5)) (3.1.2)
al/lib/python3.10/dist-packages (from matplotlib->detectron2==0.6->-r requirements.txt (line 5)) (2.8.2)
ython3.10/dist-packages (from black->detectron2==0.6->-r requirements.txt (line 5)) (8.1.7)
>-r requirements.txt (line 5))

uirements.txt (line 5))

b/python3.10/dist-packages (from black->detectron2==0.6->-r requirements.txt (line 5)) (4.2.1)
ython3.10/dist-packages (from black->detectron2==0.6->-r requirements.txt (line 5)) (2.0.1)
ocal/lib/python3.10/dist-packages (from ftfy->clip==1.0->-r requirements.txt (line 6)) (0.2.13)
b/python3.10/dist-packages (from jinja2->torch->-r requirements.txt (line 1)) (2.1.5)
ython3.10/dist-packages (from sympy->torch->-r requirements.txt (line 1)) (1.3.0)
ython3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (1.4.0)
/python3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (1.63.0)
cal/lib/python3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (2.27.0)
/usr/local/lib/python3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (1.2.0)
b/python3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (3.6)
r/local/lib/python3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (3.20.3)
l/lib/python3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (2.31.0)
/lib/python3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (67.7.2)
3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (1.16.0)
0.7.0 in /usr/local/lib/python3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (0.7.2)
b/python3.10/dist-packages (from tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (3.0.3)
ocal/lib/python3.10/dist-packages (from google-auth<3,>=1.6.3->tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (5.3.3)
cal/lib/python3.10/dist-packages (from google-auth<3,>=1.6.3->tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (0.4.0)
python3.10/dist-packages (from google-auth<3,>=1.6.3->tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (4.9)
/local/lib/python3.10/dist-packages (from google-auth-oauthlib<2,>=0.5->tensorboard->detectron2==0.6->-r requirements.txt (line 5))
/local/lib/python3.10/dist-packages (from requests<3,>=2.21.0->tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (3.3.2)
ython3.10/dist-packages (from requests<3,>=2.21.0->tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (3.7)
/lib/python3.10/dist-packages (from requests<3,>=2.21.0->tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (2.0.7)
/lib/python3.10/dist-packages (from requests<3,>=2.21.0->tensorboard->detectron2==0.6->-r requirements.txt (line 5)) (2024.2.2)
al/lib/python3.10/dist-packages (from pyasn1-modules>=0.2.1->google-auth<3,>=1.6.3->tensorboard->detectron2==0.6->-r requirements.tx
b/python3.10/dist-packages (from requests-oauthlib>=0.7.0->google-auth-oauthlib<2,>=0.5->tensorboard->detectron2==0.6->-r requiremen
e, antlr4-python3-runtime

p310-linux_x86_64.whl size=6147883 sha256=d48cfe451cffd70df3a31ed9fafca85f044eafdfaffee2a4bc3c17fb265b812d
ls/47/e5/15/94c80df2ba85500c5d76599cc307c0a7079d0e221bb6fc4375

ze=1369499 sha256=8d0b9fe89cdf1496bd22eb1a45b06c142893f4281799a838f4e014eff0660b29
ls/da/2b/4c/d6691fa9597aac8bb85d2ac13b112deb897d5b50f5ad9a37e4

py3-none-any.whl size=61400 sha256=2759bb0e72216166e183a8bf61925c1a87a0278e9c1cb8f7fbfe7414556e2202
3a1be9e42a52b48e5af2169d40ec2e89f7362489dd0

hon3_runtime-4.9.3-py3-none-any.whl size=144554 sha256=64b40ab553e19cc8ed868e83c774fb5dd1f87add25ca07f446546736c857d587
edc45659556564c5730f6d4e300888f4bca2d4c5a88
e
rtalocker, pathspec, omegaconf, nvidia-nvtx-cu12, nvidia-nvjitlink-cu12, nvidia-nccl-cu12, nvidia-curand-cu12, nvidia-cufft-cu12, nv
lack-24.4.2 clip-1.0 detectron2-0.6 ftfy-6.2.0 fvcore-0.1.5.post20221221 hydra-core-1.3.2 iopath-0.1.9 mypy-extensions-1.0.0 nvidia-
```

Start coding or generate with AI.

```
# prompt: ./download.sh
```

```
!./download.sh
```

```
/bin/bash: ./download.sh: /bin/bash: bad interpreter: Permission denied
```

```
# prompt: /bin/bash: ./download.sh: /bin/bash: bad interpreter: Permission denied
```

```
!chmod +x ./download.sh
!./download.sh
```

```
Downloading pretrained models ...
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100    63    0    63    0     0    215      0 --:--:-- --:--:-- --:--:--   215
100   320  100   320    0     0    371      0 --:--:-- --:--:-- --:--:--   371
100 1589M  100 1589M    0     0  39.4M      0  0:00:40  0:00:40 --:--:-- 74.6M
Extracting ...
^C
```

```
!apt-get update
!apt-get install ninja-build
```

```
Hit:1 https://cloud.r-project.org/bin/linux/ubuntu jammy-cran40/ InRelease
Hit:2 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2204/x86_64  InRelease
Hit:3 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:4 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:5 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
```

```
Hit:6 https://ppa.launchpadcontent.net/c2d4u.team/c2d4u4.0+/ubuntu jammy InRelease
Hit:7 http://archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:8 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu jammy InRelease
Hit:9 https://ppa.launchpadcontent.net/graphics-drivers/ppa/ubuntu jammy InRelease
Hit:10 https://ppa.launchpadcontent.net/ubuntugis/ppa/ubuntu jammy InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  ninja-build
0 upgraded, 1 newly installed, 0 to remove and 45 not upgraded.
Need to get 111 kB of archives.
After this operation, 358 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/universe amd64 ninja-build amd64 1.10.1-1 [111 kB]
Fetched 111 kB in 1s (187 kB/s)
Selecting previously unselected package ninja-build.
(Reading database ... 121918 files and directories currently installed.)
Preparing to unpack .../ninja-build_1.10.1-1_amd64.deb ...
Unpacking ninja-build (1.10.1-1) ...
Setting up ninja-build (1.10.1-1) ...
Processing triggers for man-db (2.10.2-1) ...
```

prompt: python main.py --input_dir imgs/input --description "long sleeve silk crepe de chine shirt featuring graphic pattern printed

!python main.py --input_dir imgs/input --description "shirt with graphic pattern printed in shades of red"

```
Importing StyleGAN modules
StyleGAN modules imported
100%|████████████████████████████████| 402M/402M [02:15<00:00, 3.11MiB/s]
/usr/local/lib/python3.10/dist-packages/torchvision/models/_utils.py:208: UserWarning: The parameter 'pretrained' is deprecated sinc
  warnings.warn(
/usr/local/lib/python3.10/dist-packages/torchvision/models/_utils.py:223: UserWarning: Arguments other than a weight enum or `None`
  warnings.warn(msg)
/usr/local/lib/python3.10/dist-packages/torchvision/models/_utils.py:208: UserWarning: The parameter 'pretrained_backbone' is deprec
  warnings.warn(
/usr/local/lib/python3.10/dist-packages/torchvision/models/_utils.py:223: UserWarning: Arguments other than a weight enum or `None`
  warnings.warn(msg)
Downloading: "https://download.pytorch.org/models/resnet50-0676ba61.pth" to /root/.cache/torch/hub/checkpoints/resnet50-0676ba61.pth
100% 97.8M/97.8M [00:01<00:00, 99.2MB/s]
Target description: silk  shirt with graphic pattern printed in shades of red
  0% 0/501 [00:00<?, ?it/s]Setting up PyTorch plugin "bias_act_plugin"... Done.
Setting up PyTorch plugin "upfirdn2d_plugin"... Done.
2.125: 100% 501/501 [06:14<00:00,  1.34it/s]
```

prompt: Importing StyleGAN modules Traceback (most recent call last): File "/content/FICE/FICE/main.py", line 8, in <module>   fr

!apt-get update
!apt-get install ninja-build

prompt: python main.py --input_dir imgs/input --description "long sleeve silk crepe de chine shirt featuring graphic pattern printed

!python main.py --input_dir imgs/input --description "long sleeve silk crepe de chine shirt featuring graphic pattern printed in tones

prompt: Importing StyleGAN modules StyleGAN modules imported 100%|████████████████████████████████| 402M/402M [00:05<00:00, 75

!ls output/

prompt: # prompt: Importing StyleGAN modules StyleGAN modules imported 100%|███████████████████████████████| 402M/402M [00:05<

!ls output/

!python main.py --input_dir imgs/input --description "crepe shirt with graphic printes in blue"

```
Importing StyleGAN modules
StyleGAN modules imported
/usr/local/lib/python3.10/dist-packages/torchvision/models/_utils.py:208: UserWarning: The parameter 'pretrained' is deprecated sinc
  warnings.warn(
/usr/local/lib/python3.10/dist-packages/torchvision/models/_utils.py:223: UserWarning: Arguments other than a weight enum or `None`
  warnings.warn(msg)
/usr/local/lib/python3.10/dist-packages/torchvision/models/_utils.py:208: UserWarning: The parameter 'pretrained_backbone' is deprec
  warnings.warn(
```