```
!pip install -q diffusers transformers accelerate scipy safetensors gradio
```

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```

```python
from huggingface_hub import login
login()  # 🔑 Paste your token here when prompted
```

```python
import torch
from diffusers import StableDiffusionPipeline

device = "cuda" if torch.cuda.is_available() else "cpu"

pipe = StableDiffusionPipeline.from_pretrained(
    "runwayml/stable-diffusion-v1-5",
    torch_dtype=torch.float16 if device == "cuda" else torch.float32,
    safety_checker=None
).to(device)
```

model_index.json: 100%	541/541 [00:00<00:00, 13.6kB/s]
Fetching 13 files: 100%	13/13 [00:35<00:00, 3.78s/it]
preprocessor_config.json: 100%	342/342 [00:00<00:00, 20.4kB/s]
vocab.json: 100%	1.06M/1.06M [00:00<00:00, 4.59MB/s]
config.json: 100%	617/617 [00:00<00:00, 9.87kB/s]
merges.txt: 100%	525k/525k [00:00<00:00, 2.82MB/s]
special_tokens_map.json: 100%	472/472 [00:00<00:00, 4.82kB/s]
tokenizer_config.json: 100%	806/806 [00:00<00:00, 19.4kB/s]
scheduler_config.json: 100%	308/308 [00:00<00:00, 5.42kB/s]
model.safetensors: 100%	492M/492M [00:08<00:00, 47.2MB/s]
config.json: 100%	743/743 [00:00<00:00, 35.9kB/s]
config.json: 100%	547/547 [00:00<00:00, 32.8kB/s]
diffusion_pytorch_model.safetensors: 100%	335M/335M [00:05<00:00, 79.5MB/s]
diffusion_pytorch_model.safetensors: 100%	3.44G/3.44G [00:35<00:00, 191MB/s]
Loading pipeline components...: 100%	6/6 [00:04<00:00, 1.61it/s]

You have disabled the safety checker for <class 'diffusers.pipelines.stable_diffusion.pipeline_stable_diffusion.StableDiffusionPipeline'


```python
import gradio as gr

def generate(prompt):
    image = pipe(prompt, guidance_scale=7.5, num_inference_steps=50).images[0]
    return image

gr.Interface(
    fn=generate,
    inputs=gr.Textbox(label="Enter your image prompt"),
    outputs=gr.Image(label="Generated Image"),
    title="Stable Diffusion - Text to Image"
```

```
).launch(share=True)  # ✅ share=True is important for Colab
```

⮒ Colab notebook detected. To show errors in colab notebook, set debug=True in launch()
    * Running on public URL: https://ea4ad44dfa94fd0188.gradio.live

    This share link expires in 1 week. For free permanent hosting and GPU upgrades, run `gradio deploy` from the terminal in the working dir

Clear   Submit