```
# STEP 1: Install Required Libraries
!pip install huggingface_hub
!pip install transformers gradio
```

```
Requirement already satisfied: huggingface_hub in /usr/local/lib/python3.11/dist-packages (0.31.2)
Requirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from huggingface_hub) (3.18.0)
Requirement already satisfied: fsspec>=2023.5.0 in /usr/local/lib/python3.11/dist-packages (from huggingface_hub) (2025.3.2)
Requirement already satisfied: packaging>=20.9 in /usr/local/lib/python3.11/dist-packages (from huggingface_hub) (24.2)
Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.11/dist-packages (from huggingface_hub) (6.0.2)
Requirement already satisfied: requests in /usr/local/lib/python3.11/dist-packages (from huggingface_hub) (2.32.3)
Requirement already satisfied: tqdm>=4.42.1 in /usr/local/lib/python3.11/dist-packages (from huggingface_hub) (4.67.1)
Requirement already satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.11/dist-packages (from huggingface_hub) (4.13.2)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests->huggingface_hub) (3.4.2)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests->huggingface_hub) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests->huggingface_hub) (2.4.0)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests->huggingface_hub) (2025.4.26)
Requirement already satisfied: transformers in /usr/local/lib/python3.11/dist-packages (4.51.3)
Collecting gradio
  Downloading gradio-5.30.0-py3-none-any.whl.metadata (16 kB)
Requirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from transformers) (3.18.0)
Requirement already satisfied: huggingface-hub<1.0,>=0.30.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.31.2)
Requirement already satisfied: numpy>=1.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2.0.2)
Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (24.2)
Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.11/dist-packages (from transformers) (6.0.2)
Requirement already satisfied: regex!=2019.12.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2024.11.6)
Requirement already satisfied: requests in /usr/local/lib/python3.11/dist-packages (from transformers) (2.32.3)
Requirement already satisfied: tokenizers<0.22,>=0.21 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.21.1)
Requirement already satisfied: safetensors>=0.4.3 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.5.3)
Requirement already satisfied: tqdm>=4.27 in /usr/local/lib/python3.11/dist-packages (from transformers) (4.67.1)
Collecting aiofiles<25.0,>=22.0 (from gradio)
  Downloading aiofiles-24.1.0-py3-none-any.whl.metadata (10 kB)
Requirement already satisfied: anyio<5.0,>=3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (4.9.0)
Collecting fastapi<1.0,>=0.115.2 (from gradio)
  Downloading fastapi-0.115.12-py3-none-any.whl.metadata (27 kB)
Collecting ffmpy (from gradio)
  Downloading ffmpy-0.5.0-py3-none-any.whl.metadata (3.0 kB)
Collecting gradio-client==1.10.1 (from gradio)
  Downloading gradio_client-1.10.1-py3-none-any.whl.metadata (7.1 kB)
Collecting groovy~=0.1 (from gradio)
  Downloading groovy-0.1.2-py3-none-any.whl.metadata (6.1 kB)
Requirement already satisfied: httpx>=0.24.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.28.1)
Requirement already satisfied: jinja2<4.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.1.6)
Requirement already satisfied: markupsafe<4.0,>=2.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.0.2)
Requirement already satisfied: orjson~=3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.10.18)
Requirement already satisfied: pandas<3.0,>=1.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.2.2)
Requirement already satisfied: pillow<12.0,>=8.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (11.2.1)
Requirement already satisfied: pydantic<2.12,>=2.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.11.4)
Collecting pydub (from gradio)
  Downloading pydub-0.25.1-py2.py3-none-any.whl.metadata (1.4 kB)
Collecting python-multipart>=0.0.18 (from gradio)
  Downloading python_multipart-0.0.20-py3-none-any.whl.metadata (1.8 kB)
Collecting ruff>=0.9.3 (from gradio)
  Downloading ruff-0.11.10-py3-none-manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (25 kB)
Collecting safehttpx<0.2.0,>=0.1.6 (from gradio)
  Downloading safehttpx-0.1.6-py3-none-any.whl.metadata (4.2 kB)
Collecting semantic-version~=2.0 (from gradio)
  Downloading semantic_version-2.10.0-py2.py3-none-any.whl.metadata (9.7 kB)
Collecting starlette<1.0,>=0.40.0 (from gradio)
  Downloading starlette-0.46.2-py3-none-any.whl.metadata (6.2 kB)
```

```
    Collecting tomlkit<0.14.0,>=0.12.0 (from gradio)
```

```python
# STEP 2: Import Python Libraries
from transformers import pipeline
import gradio as gr


# STEP 3: Logic function for generating health advice
def health_advice(name, age, symptoms, goal):
    return f"""
👤 *{name}, age **{age}*

🩺 *Symptoms:* {symptoms}
🎯 *Health Goal:* {goal}

💡 *AI Wellness Tip:*
Stay hydrated, eat whole foods, and ensure regular sleep and light exercise.
Since you're experiencing *{symptoms}*, it's recommended to monitor closely and consult a doctor if symptoms persist.

🧘 For your goal to *{goal}*, consider routines like yoga, walking, and mindfulness.

⚠ Note: This is general advice and not a replacement for medical consultation.
"""


# Step 4: Build the Gradio interface
with gr.Blocks(title="Lifeline: Your AI Health Assistant") as iface:
    with gr.Column():
        gr.Markdown("<h1 style='text-align: center; color:#2E8B57;'>💚 Lifeline: Your AI Health Assistant</h1>")
        gr.Markdown("<p style='text-align: center;'>Get quick, general wellness suggestions based on your symptoms and goals.</p>")

    with gr.Row():
        name = gr.Textbox(label="👤 Name", placeholder="e.g., John")
        age = gr.Number(label="🎂 Age", minimum=1, maximum=120)

    with gr.Row():
        symptoms = gr.Textbox(label="🤒 What symptoms are you experiencing?", placeholder="e.g., headache, nausea, stress")
        goal = gr.Textbox(label="🎯 What is your health or fitness goal?", placeholder="e.g., build muscle, improve sleep")

    with gr.Row():
        submit = gr.Button("💬 Get AI Health Advice")

    output = gr.Markdown()

    submit.click(fn=health_advice, inputs=[name, age, symptoms, goal], outputs=output)


# STEP 5: Launch App with Public Link
iface.launch(share=True)
```
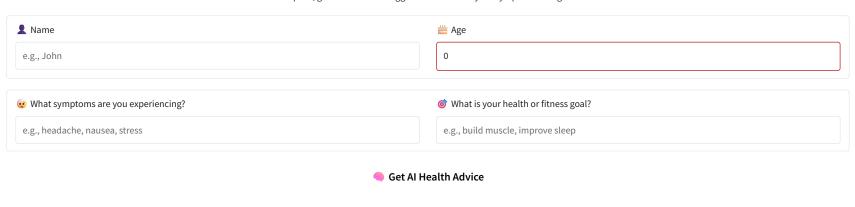
Colab notebook detected. To show errors in colab notebook, set debug=True in launch()
* Running on public URL: https://51fe36f46817fe569d.gradio.live

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

💚 Lifeline: Your AI Health Assistant

Get quick, general wellness suggestions based on your symptoms and goals.

👤 Name

e.g., John

🎂 Age

0

🤕 What symptoms are you experiencing?

e.g., headache, nausea, stress

🎯 What is your health or fitness goal?

e.g., build muscle, improve sleep

💬 Get AI Health Advice

Use via API 🚀 · Built with Gradio 🔶 · Settings ⚙️