

## How to Host Your langflow project on your localhost

Step1) Build your langflow project using langflow platform from your laptop .

Step2) **Create Langflow API Key –**

**From langflow platform**

Profile- Settings – Langflow API Keys – Name(demo)

LANGFLOW\_API\_KEY= “Paste Your Langflow API KEY”

Step3) **Create Python deployable code**

**From langflow platform**

Share- API Access -Python -Copy code

**Save this code as `app.py` file**

+++++

1)Replace your Langflow API key

`api_key = "Paste Your API Key "`

2)check your URL

`url = "http://localhost:7860/api/v1/run/30d9ce86-194f-44ba-a15a-f822c3ac4f57" # The complete API endpoint URL for this flow`

3) change input value

`"input_value": "What is Agentic AI"`

+++++

**code for `app.py`**

`#####`

`import requests`

`import os`

`# API Configuration`

`try:`

```
api_key = "Your Langflow API Key"
```

```
except KeyError:
```

```
    raise ValueError("LANGFLOW_API_KEY environment variable not found. Please set  
your API key in the environment variables.")
```

```
url = "http://localhost:7860/api/v1/run/30d9ce86-194f-44ba-a15a-f822c3ac4f57" # The  
complete API endpoint URL for this flow
```

```
# Request payload configuration
```

```
payload = {
```

```
    "output_type": "chat",
```

```
    "input_type": "chat",
```

```
    "input_value": "What is Agentic AI"
```

```
}
```

```
# Request headers
```

```
headers = {
```

```
    "Content-Type": "application/json",
```

```
    "x-api-key": api_key # Authentication key from environment variable
```

```
}
```

```
try:
```

```
    # Send API request
```

```
    response = requests.request("POST", url, json=payload, headers=headers)
```

```
    response.raise_for_status() # Raise exception for bad status codes
```

```
# Print response
```

```
print(response.text)
```

except requests.exceptions.RequestException as e:

```
print(f"Error making API request: {e}")
```

except ValueError as e:

```
print(f"Error parsing response: {e}")
```

---

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Step4) Open VS code Editor (any editor you like) .

Create folder **LangflowAgentProject**

Step5 ) save your file app.py into folder **LangflowAgentProject**

Step6)

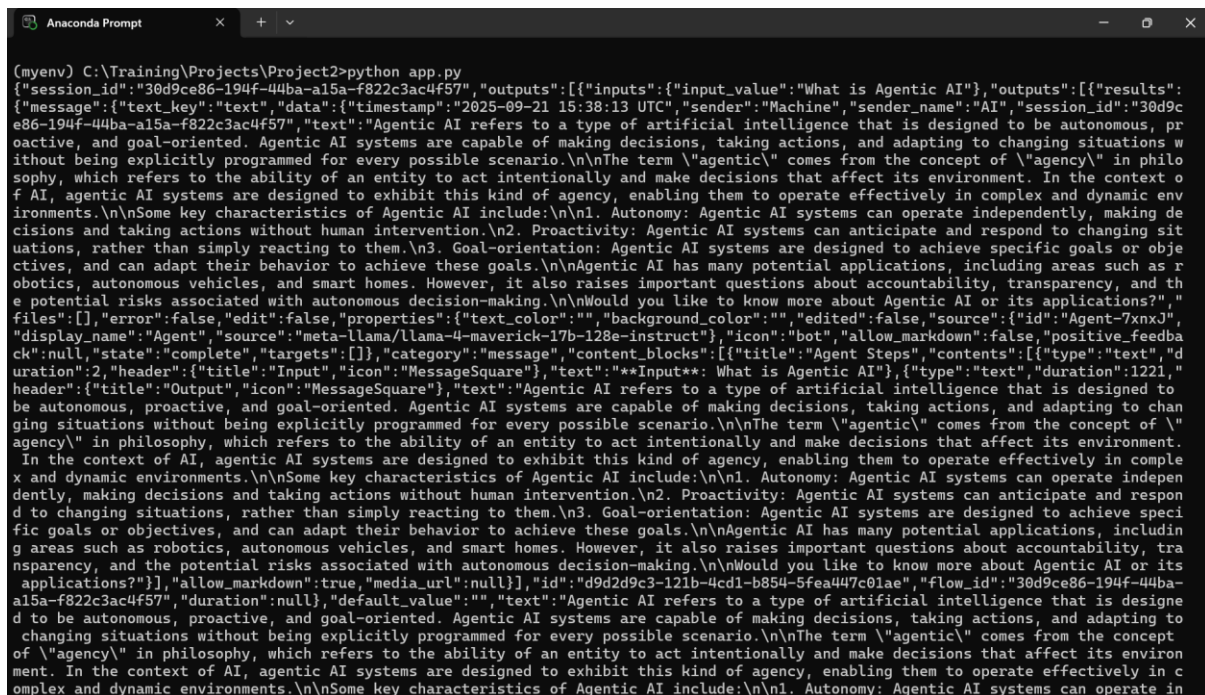
```
python -m venv myenv python==3.10
```

```
myenv\Scripts\activate
```

```
pip install requests
```

```
python app.py
```

You will get result on your local machine / laptop



```
(myenv) C:\Training\Projects\Project2>python app.py
{"session_id": "30d9ce86-194f-44ba-a15a-f822c3ac4f57", "outputs": [{"inputs": {"input_value": "What is Agentic AI"}, "outputs": [{"results": {"message": {"text_key": "text", "data": {"timestamp": "2025-09-21 15:38:13 UTC", "sender": "Machine", "sender_name": "AI", "session_id": "30d9ce86-194f-44ba-a15a-f822c3ac4f57", "text": "Agentic AI refers to a type of artificial intelligence that is designed to be autonomous, proactive, and goal-oriented. Agentic AI systems are capable of making decisions, taking actions, and adapting to changing situations without being explicitly programmed for every possible scenario.\n\nThe term \"agentic\" comes from the concept of \"agency\" in philosophy, which refers to the ability of an entity to act intentionally and make decisions that affect its environment. In the context of AI, agentic AI systems are designed to exhibit this kind of agency, enabling them to operate effectively in complex and dynamic environments.\n\nSome key characteristics of Agentic AI include:\n\n1. Autonomy: Agentic AI systems can operate independently, making decisions and taking actions without human intervention.\n2. Proactivity: Agentic AI systems can anticipate and respond to changing situations, rather than simply reacting to them.\n3. Goal-orientation: Agentic AI systems are designed to achieve specific goals or objectives, and can adapt their behavior to achieve these goals.\n\nAgentic AI has many potential applications, including areas such as robotics, autonomous vehicles, and smart homes. However, it also raises important questions about accountability, transparency, and the potential risks associated with autonomous decision-making.\n\nWould you like to know more about Agentic AI or its applications?", "files": [], "error": false, "edit": false, "properties": {"text_color": "", "background_color": "", "edited": false, "source": {"id": "Agent-7xnxJ", "display_name": "Agent", "source": "meta-llama/llama-4-maverick-17b-128e-instruct"}, "icon": "bot", "allow_markdown": false, "positive_feedback": null, "state": "complete", "targets": []}, "category": "message", "content_blocks": [{"title": "Agent Steps", "contents": [{"type": "text", "duration": 2, "header": {"title": "Input", "icon": "MessageSquare"}, "text": "**Input**": "What is Agentic AI"}, {"type": "text", "duration": 1221, "header": {"title": "Output", "icon": "MessageSquare"}, "text": "Agentic AI refers to a type of artificial intelligence that is designed to be autonomous, proactive, and goal-oriented. Agentic AI systems are capable of making decisions, taking actions, and adapting to changing situations without being explicitly programmed for every possible scenario.\n\nThe term \"agentic\" comes from the concept of \"agency\" in philosophy, which refers to the ability of an entity to act intentionally and make decisions that affect its environment. In the context of AI, agentic AI systems are designed to exhibit this kind of agency, enabling them to operate effectively in complex and dynamic environments.\n\nSome key characteristics of Agentic AI include:\n\n1. Autonomy: Agentic AI systems can operate independently, making decisions and taking actions without human intervention.\n2. Proactivity: Agentic AI systems can anticipate and respond to changing situations, rather than simply reacting to them.\n3. Goal-orientation: Agentic AI systems are designed to achieve specific goals or objectives, and can adapt their behavior to achieve these goals.\n\nAgentic AI has many potential applications, including areas such as robotics, autonomous vehicles, and smart homes. However, it also raises important questions about accountability, transparency, and the potential risks associated with autonomous decision-making.\n\nWould you like to know more about Agentic AI or its applications?"}], "allow_markdown": true, "media_url": null}], "id": "d9d2d9c3-121b-4cd1-b854-5fea447c01ae", "flow_id": "30d9ce86-194f-44ba-a15a-f822c3ac4f57", "duration": null, "default_value": "", "text": "Agentic AI refers to a type of artificial intelligence that is designed to be autonomous, proactive, and goal-oriented. Agentic AI systems are capable of making decisions, taking actions, and adapting to changing situations without being explicitly programmed for every possible scenario.\n\nThe term \"agentic\" comes from the concept of \"agency\" in philosophy, which refers to the ability of an entity to act intentionally and make decisions that affect its environment. In the context of AI, agentic AI systems are designed to exhibit this kind of agency, enabling them to operate effectively in complex and dynamic environments.\n\nSome key characteristics of Agentic AI include:\n\n1. Autonomy: Agentic AI systems can operate in"}]}]}]}
```

**Congratulations!**