



# Wikipedia search app using Flask Framework – Python

Last Updated : 14 May, 2024

---

Flask is a micro web framework written in Python. It is classified as a micro-framework because it does not require particular tools or libraries. Flask is a lightweight WSGI web application framework. It is designed to make getting started quick and easy, with the ability to scale up to complex applications.

## Installation:

1) In order to create the flask app we have to first install the flask.

```
pip install flask
```

2) In order to extract the data from Wikipedia, we must first install the Python Wikipedia library.

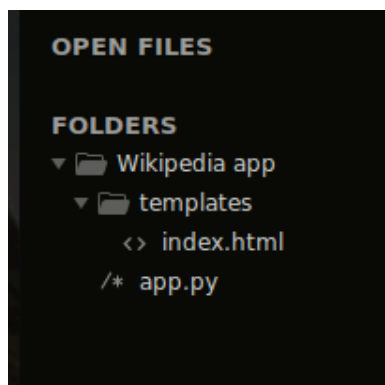
```
pip install wikipedia
```

## Create a flask app:

3) Create a file and name it as app.py

4) Create the templates folder to store all the html files.

## Folder structure:



## How to create wikipedia search app using Flask Framework?

Now, let's start coding the application

Create the file – **app.py**

---

## Python3

```
# import necessary libraries
from flask import Flask, request, render_template
import wikipedia

app = Flask(__name__)

# create HOME View
@app.route("/", methods=["POST", "GET"])
def home():
    if request.method == "GET":
        return render_template("index.html")
    else:
        search = request.form["search"]

        # Fetch data from wikipedia
        result = wikipedia.summary(search, sentences=2)
        return f"<h1>{result}</h1>"

if __name__ == '__main__':
    app.run(debug=True)
```

---

[Flask Templates](#) [Jinja2](#) [Flask-REST API](#) [Python SQLAlchemy](#) [Flask Bcrypt](#) [Flask Cookies](#) [Json](#) [Postman](#)

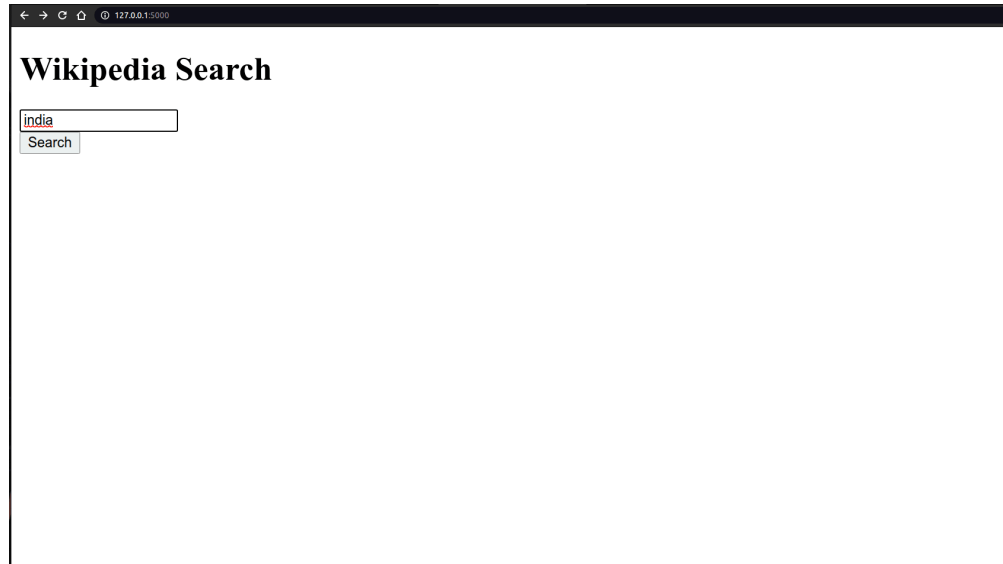
---

## HTML

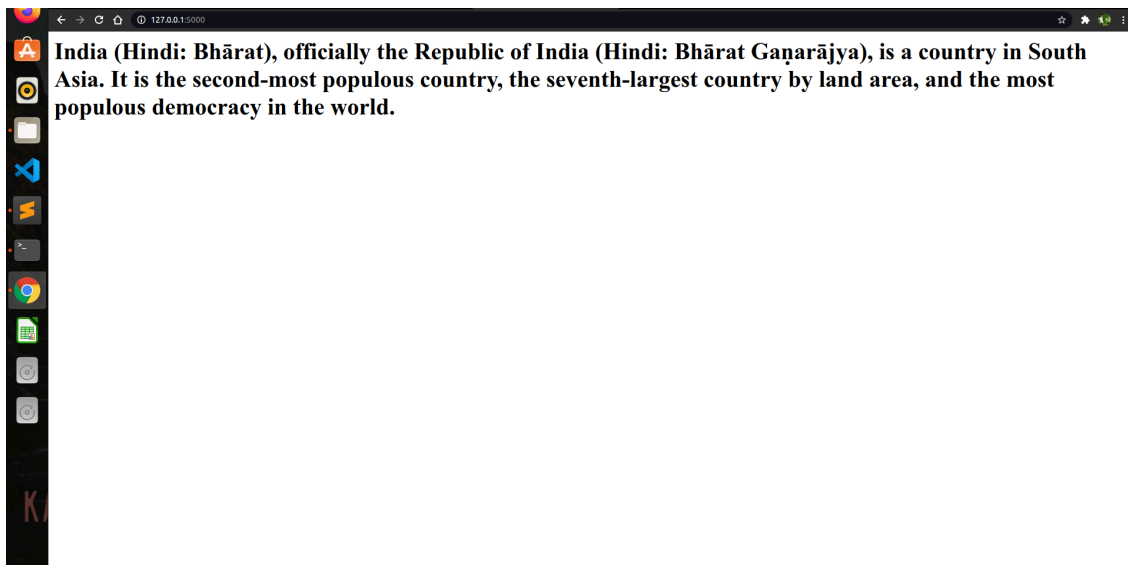
```
<!DOCTYPE html>
<html>
<head>
    <title>Wikipedia Search</title>
</head>
<body>
    <form method="post">
        <input type="text" name="search">
        <br>
        <button type="submit">Search</button>
    </form>
</body>
```

&lt;/html&gt;

## Output:



If we search INDIA in this input tag then the output is:



Looking to dive into the world of programming or sharpen your Python skills? Our [Master Python: Complete Beginner to Advanced Course](#) is your ultimate guide to becoming proficient in Python. This course covers everything you need to build a solid foundation from fundamental programming concepts to advanced techniques. With **hands-on projects**, real-world examples, and expert guidance, you'll gain the confidence to tackle complex **coding challenges**. Whether you're starting from scratch or aiming to enhance your

skills, this course is the perfect fit. Enroll now and master Python, the language of the future!

v vivek...



### Previous Article

[Implement ChatGPT in a Flask Application](#)

### Next Article

[Dominos Chatbot using Python](#)

## Similar Reads

## Wikipedia search app Project using Django

Django is a high-level Python based Web Framework that allows rapid development and clean, pragmatic design. It is also called batteries included...

2 min read

## Voice search Wikipedia using Python

Every day, we visit so many applications, be it messaging platforms like Messenger, Telegram or ordering products on Amazon, Flipkart, or knowing abo...

5 min read

## Documenting Flask Endpoint using Flask-Autodoc

Documentation of endpoints is an essential task in web development and being able to apply it in different frameworks is always a utility. This article discusses...

4 min read

## Minify HTML in Flask using Flask-Minify

Flask offers HTML rendering as output, it is usually desired that the output HTML should be concise and it serves the purpose as well. In this article, we would...

12 min read

## Convert CSV to HTML Table using Python Pandas and Flask Framework

In this article, we are going to convert a CSV file into an HTML table using Python Pandas and Flask Framework. Sample CSV file :...

2 min read

## How to use Flask-Session in Python Flask ?

Flask Session - Flask-Session is an extension for Flask that supports Server-side Session to your application. The Session is the time between the client logs in to...

4 min read

## How to Integrate Flask-Admin and Flask-Login

In order to merge the admin and login pages, we can utilize a short form or any other login method that only requires the username and password. This is know...

8 min read

## Flask URL Helper Function - Flask url\_for()

In this article, we are going to learn about the flask url\_for() function of the flask URL helper in Python. Flask is a straightforward, speedy, scalable library, used f...

11 min read

## Web scraping from Wikipedia using Python - A Complete Guide

In this article, you will learn various concepts of web scraping and get comfortable with scraping various types of websites and their data. The goal is t...

9 min read

## Wikipedia Summary Generator using Python Tkinter

Prerequisite: Tkinter Wikipedia Python offers multiple options for developing a GUI (Graphical User Interface). Out of all the GUI methods, Tkinter is the most...

2 min read

Article Tags : [Python](#) [Flask Projects](#) [Python Flask](#)

Practice Tags : [python](#)



Corporate & Communications Address:-  
A-143, 9th Floor, Sovereign Corporate  
Tower, Sector- 136, Noida, Uttar Pradesh  
(201305) | Registered Address:- K 061,  
Tower K, Gulshan Vivante Apartment,  
Sector 137, Noida, Gautam Buddh  
Nagar, Uttar Pradesh, 201305



[Company](#)

[Languages](#)

About Us  
Legal  
In Media  
Contact Us  
Advertise with us  
GFG Corporate Solution  
Placement Training Program  
GeeksforGeeks Community

Python  
Java  
C++  
PHP  
GoLang  
SQL  
R Language  
Android Tutorial  
Tutorials Archive

## DSA

Data Structures  
Algorithms  
DSA for Beginners  
Basic DSA Problems  
DSA Roadmap  
Top 100 DSA Interview Problems  
DSA Roadmap by Sandeep Jain  
All Cheat Sheets

## Data Science & ML

Data Science With Python  
Data Science For Beginner  
Machine Learning  
ML Maths  
Data Visualisation  
Pandas  
NumPy  
NLP  
Deep Learning

## Web Technologies

HTML  
CSS  
JavaScript  
TypeScript  
ReactJS  
NextJS  
Bootstrap  
Web Design

## Python Tutorial

Python Programming Examples  
Python Projects  
Python Tkinter  
Web Scraping  
OpenCV Tutorial  
Python Interview Question  
Django

## Computer Science

Operating Systems  
Computer Network  
Database Management System  
Software Engineering  
Digital Logic Design  
Engineering Maths  
Software Development  
Software Testing

## DevOps

Git  
Linux  
AWS  
Docker  
Kubernetes  
Azure  
GCP  
DevOps Roadmap

## System Design

High Level Design  
Low Level Design  
UML Diagrams  
Interview Guide  
Design Patterns  
OOAD

## Interview Preparation

Competitive Programming  
Top DS or Algo for CP  
Company-Wise Recruitment Process  
Company-Wise Preparation  
Aptitude Preparation  
Puzzles

System Design Bootcamp  
Interview Questions

School Subjects

- Mathematics
- Physics
- Chemistry
- Biology
- Social Science
- English Grammar
- Commerce
- World GK

GeeksforGeeks Videos

- DSA
- Python
- Java
- C++
- Web Development
- Data Science
- CS Subjects

@GeeksforGeeks, Sanchhaya Education Private Limited, All rights reserved