

## Setting Up Application Environment

## Create flask project

Date	19 November 2022
Team ID	PNT2022TMID30138
Project Name	Nutrition Assistant Application

**Step 1:** Install the latest version of Python on your desktop, link:

<https://www.python.org/downloads/>.

**Step 2:** After that, Create a new file on your desktop and open the command prompt here and type this below command to install the flask. Then the flask will install in a few seconds as shown below:

## **pip install Flask**

**Step 3:** Then you can check whether the flask is installed or not in a system, by typing these Command in Command Prompt:

## Flask --version

#### Step 4: Open Visual Studio Code and enter the code

The screenshot shows a VS Code editor with a Flask application. The code is as follows:

```

1 from flask import Flask, render_template, request
2 import os
3
4 connectstring="database=mysql:host=mysql-afaf001-b04e-4440-9991-compute.internal.mysql.amazonservices.com;database=appdevwin.cloud;PORT=8010;PROT
5 connect = os.getenv('connectstring', '')
6
7 print(os.getenv('connectstring'))
8
9 app = Flask(__name__)
10
11 @app.route("/")
12 def root():
13     return render_template("index.html")
14
15 @app.route("/check")
16 def check():
17     return render_template("check.html")
18
19 @app.route("/signup")
20 def signup():
21     return render_template("signup.html")
22
23 @app.route("/about")
24 def about():
25     return render_template("about.html")
26
27 if __name__ == '__main__':
28     app.run(debug=True)
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```

The terminal shows the command 'flask --help' and its output:

```

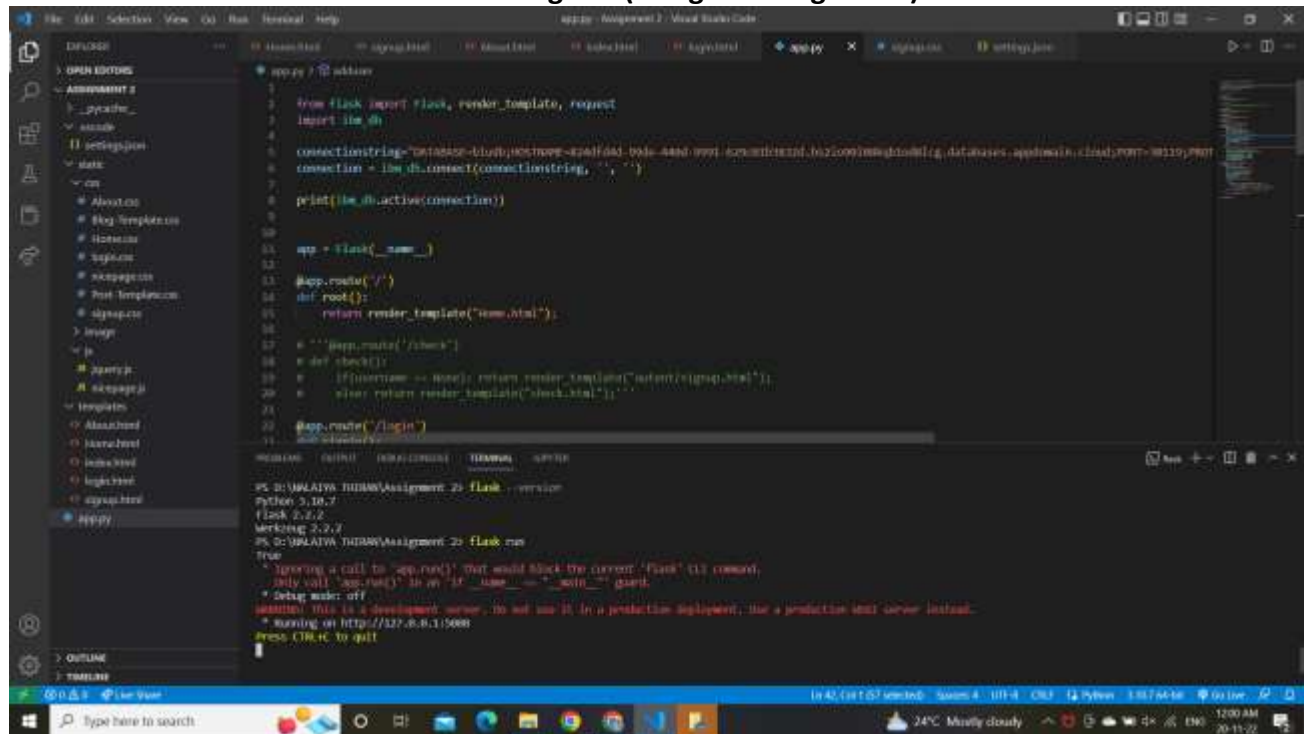
PS D:\MILAIYA THIRU\Assignment 2> flask --help
Python 3.8.7
Flask 2.0.2
 Werkzeug 2.2.2
PS D:\MILAIYA THIRU\Assignment 2>

```

**Step 5:** Save the code and give the file name as app.py.

**Step 6:** Go to the file location and open the command prompt and type this command in the command prompt:

Flask run (using normal run)or  
Flask –debug run (using in debug mode)



The screenshot shows a Visual Studio Code editor with a Flask application file named `app.py`. The code defines a Flask app, connects to a database, and sets up routes for `/`, `/check`, `/login`, and `/signup`. The terminal at the bottom shows the command `flask --version` and `flask run` being executed, resulting in the app running on `http://127.0.0.1:5000`. The terminal also displays a warning about using Flask in a production environment.

```
from flask import Flask, render_template, request
import sqlite3

connectionstring="database-url:mysql://root:root@127.0.0.1:3306/yourdatabase"
connection = sqlite3.connect(connectionstring, timeout=10)

print(connection)

app = Flask(__name__)

@app.route("/")
def root():
    return render_template("home.html")

@app.route("/check")
def check():
    if(request.args.get('username') != None):
        return render_template("after/signup.html")
    else:
        return render_template("check.html")

@app.route("/login")
def login():
    pass
```

PS D:\MLAIVA THIRU\Assignment 2> flask --version
Python 3.8.7
flask 2.0.2
Working 2.0.2
PS D:\MLAIVA THIRU\Assignment 2> flask run
\* Running on http://127.0.0.1:5000
Press CTRL+C to quit

**Step 7:** Click the Link (or) Copy the address(<http://127.0.0.1:5000>) and put it, in the browser and click enter. Then the Result will be the same as the below screenshot:

