

## Assignment -2

Assignment Date	19 September 2022
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Student Roll Number	820419104003
Maximum Marks	2 Marks

### Question-1:

Write code in IDE.

Run code through command prompt.

Step 1: open spyder

Step 2:write the code

Step 3: run the code

>you save the file

>change the directory in command prompt(change the file path)

>type in "python filename.py">>python firstapp.py

### Solution:

```
from flask import Flask
app=Flask(__name__)
@app.route('/')
def greetings():
    return "Have a nice day!"
if __name__=='__main__':
    app.run();
```

```
Command Prompt - python firstapp.py
Requirement already satisfied: Flask in c:\users\ashifa\appdata\local\programs\python\python310\lib\site-packages (2.2.2)
Requirement already satisfied: itsdangerous>2.0 in c:\users\ashifa\appdata\local\programs\python\python310\lib\site-packages (from Flask) (2.1.2)
Requirement already satisfied: click>8.0 in c:\users\ashifa\appdata\local\programs\python\python310\lib\site-packages (from Flask) (8.1.3)
Requirement already satisfied: Jinja2>3.0 in c:\users\ashifa\appdata\local\programs\python\python310\lib\site-packages (from Flask) (3.1.2)
Requirement already satisfied: Werkzeug>2.2.2 in c:\users\ashifa\appdata\local\programs\python\python310\lib\site-packages (from Flask) (2.2.2)
Requirement already satisfied: colorama in c:\users\ashifa\appdata\local\programs\python\python310\lib\site-packages (from click>8.0->Flask) (0.4.5)
Requirement already satisfied: MarkupSafe>2.0 in c:\users\ashifa\appdata\local\programs\python\python310\lib\site-packages (from Jinja2>3.0->Flask) (2.1.1)

C:\Users\Ashifa>cd C:\Users\Ashifa\spyder-py3
C:\Users\Ashifa\spyder-py3>cd C:\Users\Ashifa\spyder-py3\spyder programs
C:\Users\Ashifa\spyder-py3\spyder programs>python firstapp
python: can't open file 'C:\Users\Ashifa\spyder-py3\spyder programs\firstapp': [Errno 2] No such file or directory
C:\Users\Ashifa\spyder-py3\spyder programs>python firstapp.py
* Serving Flask app "firstapp"
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
```

The image shows two windows from a Windows desktop. The left window is the Spyder Python IDE (version 3.9). The editor shows a file named `firstapp.py` with the following code:

```
1 from flask import Flask
2 app=Flask(__name__)
3 @app.route("/")
4 def greetings():
5     return "Have a nice day!"
6 if __name__ == '__main__':
7     app.run();
```

The right pane of Spyder shows the 'Console' tab with the following output:

```
In [1]: runfile('C:/Users/Ashifa/.spyder-py3/spyder programs/firstapp.py', wdir='C:/Users/Ashifa/.spyder-py3/spyder programs')
* Serving Flask app "firstapp" (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [23/Sep/2022 22:15:43] "GET / HTTP/1.1" 200
127.0.0.1 - - [23/Sep/2022 22:15:43] "GET /favicon.ico HTTP/1.1" 404
```

The right window is a web browser (Google Chrome) showing the URL `http://127.0.0.1:5000`. The page content is "Have a nice day!".