

SMART FASHION RECOMMENDER APPLICATION

SETTING UP APPLICATION ENVIRONMENT

Date	16 November 2022
Team ID	PNT2022TMID47421
Project Name	Smart fashion Recommender application

CREATE FLASK PROJECT

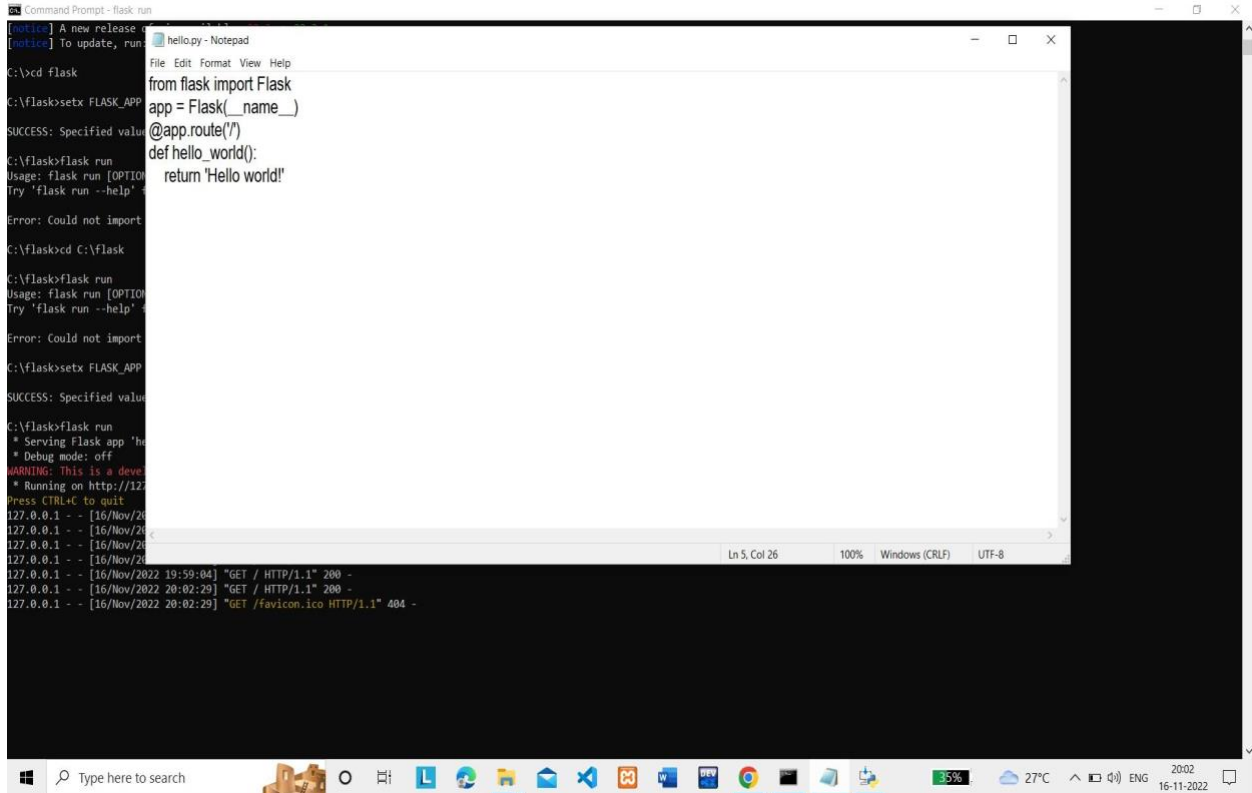
1.FLASK INSTALLATION

```
Command Prompt
(IBM) D:\project>pip install flask
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
----- 101.5/101.5 kB 487.9 kB/s eta 0:00:00
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
----- 232.7/232.7 kB 1.8 MB/s eta 0:00:00
Collecting Jinja2>=3.0
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
----- 133.1/133.1 kB 1.3 MB/s eta 0:00:00
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
----- 96.6/96.6 kB 2.8 MB/s eta 0:00:00
Collecting colorama
  Downloading colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.1.1.tar.gz (18 kB)
  Preparing metadata (setup.py) ... done
Installing collected packages: MarkupSafe, itsdangerous, colorama, Werkzeug, Jinja2, click, flask
DEPRECATION: MarkupSafe is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
Running setup.py install for MarkupSafe ... done
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 colorama-0.4.6 flask-2.2.2 itsdangerous-2.1.2

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

(IBM) D:\project>
```

2. CREATION OF A FLASK PROJECT:



```
Command Prompt - flask run
[notice] A new release of pip is available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\>cd flask
C:\flask>setx FLASK_APP hello.py
SUCCESS: Specified value was saved.

C:\flask>flask run
Usage: flask run [OPTIONS]
Try 'flask run --help' for more information.

Error: Could not import 'flask'

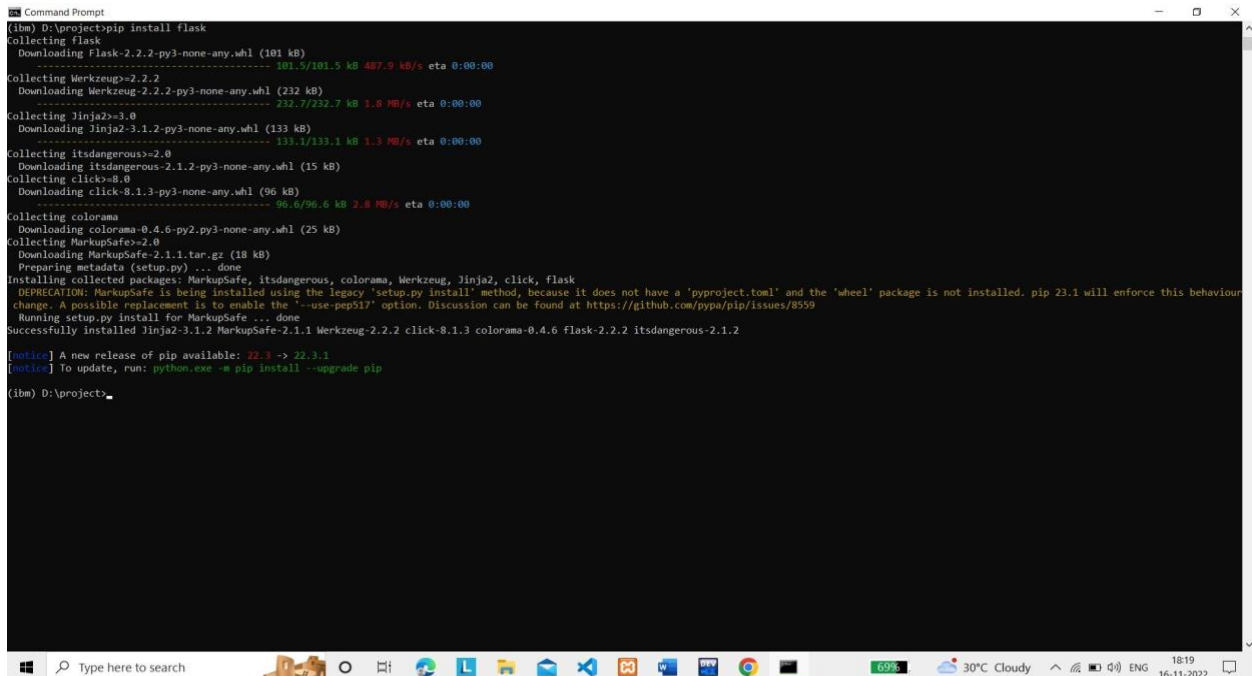
C:\flask>cd C:\flask
C:\flask>flask run
Usage: flask run [OPTIONS]
Try 'flask run --help' for more information.

Error: Could not import 'flask'

C:\flask>setx FLASK_APP hello.py
SUCCESS: Specified value was saved.

C:\flask>flask run
 * Serving Flask app 'hello.py'
 * Debug mode: off
 * Running on http://127.0.0.1:5000/
Press CTRL+C to quit
127.0.0.1 - - [16/Nov/2022 19:59:04] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 20:02:29] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 20:02:29] "GET /favicon.ico HTTP/1.1" 404 -

hello.py - Notepad
File Edit Format View Help
from flask import Flask
app = Flask(__name__)
@app.route("/")
def hello_world():
    return "Hello world!"
```

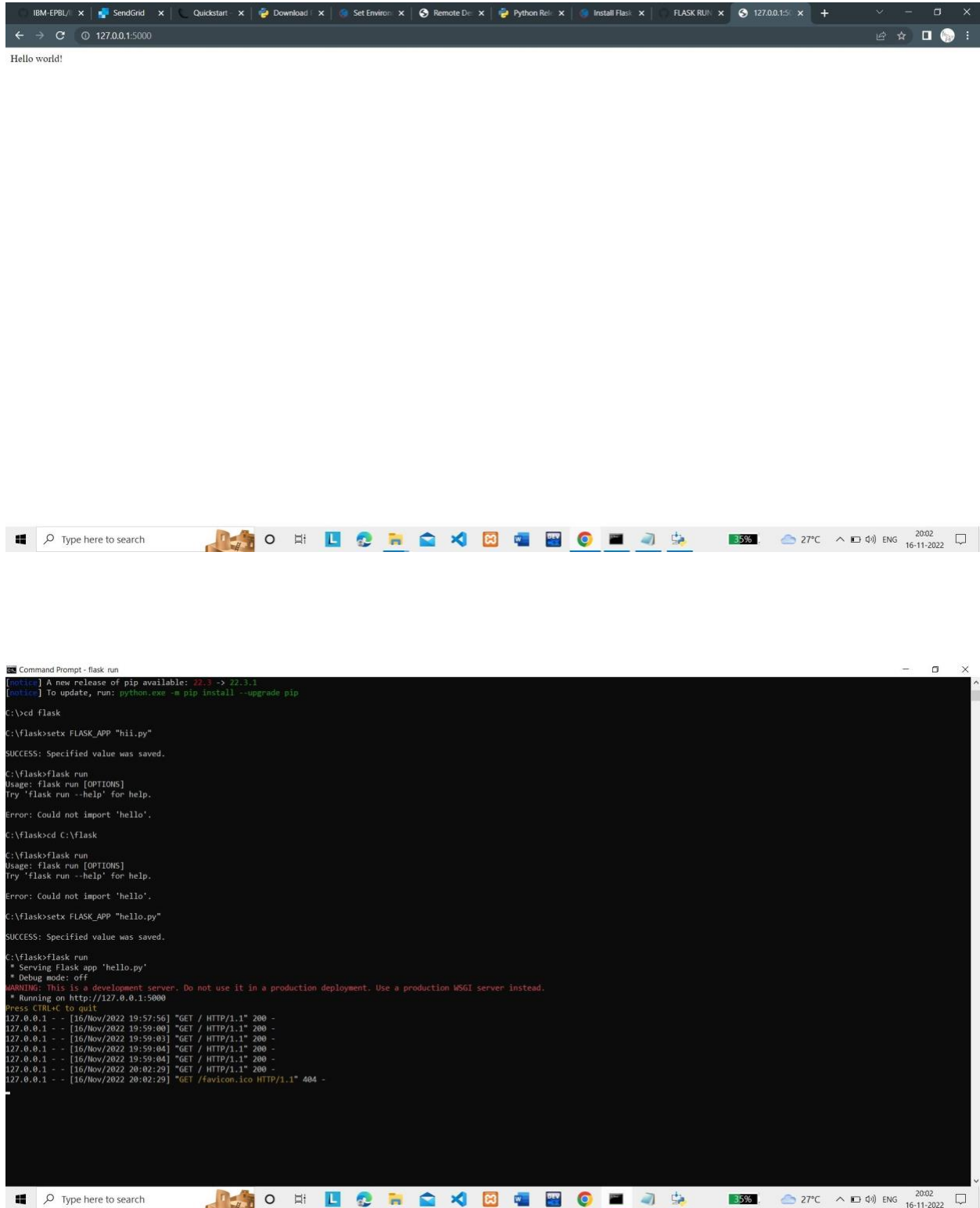


```
Command Prompt
(lbm) D:\project>pip install flask
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
-----
101.5/101.5 kB 487.9 kB/s eta 0:00:00
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
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  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
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  Downloading MarkupSafe-2.1.1.tar.gz (18 kB)
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Installing collected packages: MarkupSafe, itsdangerous, colorama, Werkzeug, Jinja2, click, flask
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Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 colorama-0.4.6 flask-2.2.2 itsdangerous-2.1.2

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[notice] To update, run: python.exe -m pip install --upgrade pip

(lbm) D:\project>
```

OUTPUT:



The screenshot displays a web browser window at the top and a Windows command prompt window below it. The browser window shows the address bar with '127.0.0.1:5000' and the page content 'Hello world!'. The command prompt window shows the execution of the 'flask' command, setting the 'FLASK_APP' to 'hii.py', and then running 'flask run'. It shows the Flask server starting on 'http://127.0.0.1:5000' and handling several GET requests, returning 200 status codes. A warning message is also visible: 'WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.'

```
IBM-EPBL x SendGrid x Quickstart x Download x Set Environ x Remote D x Python Rel x Install Flasi x FLASK RUN x 127.0.0.1:5000
Hello world!

Type here to search

Command Prompt - flask run
[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
C:\>cd flask
C:\flask>setx FLASK_APP "hii.py"
SUCCESS: Specified value was saved.
C:\flask>flask run
Usage: flask run [OPTIONS]
Try 'flask run --help' for help.
Error: Could not import 'hello'.
C:\flask>cd C:\flask
C:\flask>flask run
Usage: flask run [OPTIONS]
Try 'flask run --help' for help.
Error: Could not import 'hello'.
C:\flask>setx FLASK_APP "hello.py"
SUCCESS: Specified value was saved.
C:\flask>flask run
 * Serving Flask app 'hello.py'
 * 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
127.0.0.1 - - [16/Nov/2022 19:57:56] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 19:59:00] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 19:59:03] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 19:59:04] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 19:59:04] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 20:02:29] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 20:02:29] "GET /favicon.ico HTTP/1.1" 404 -
```