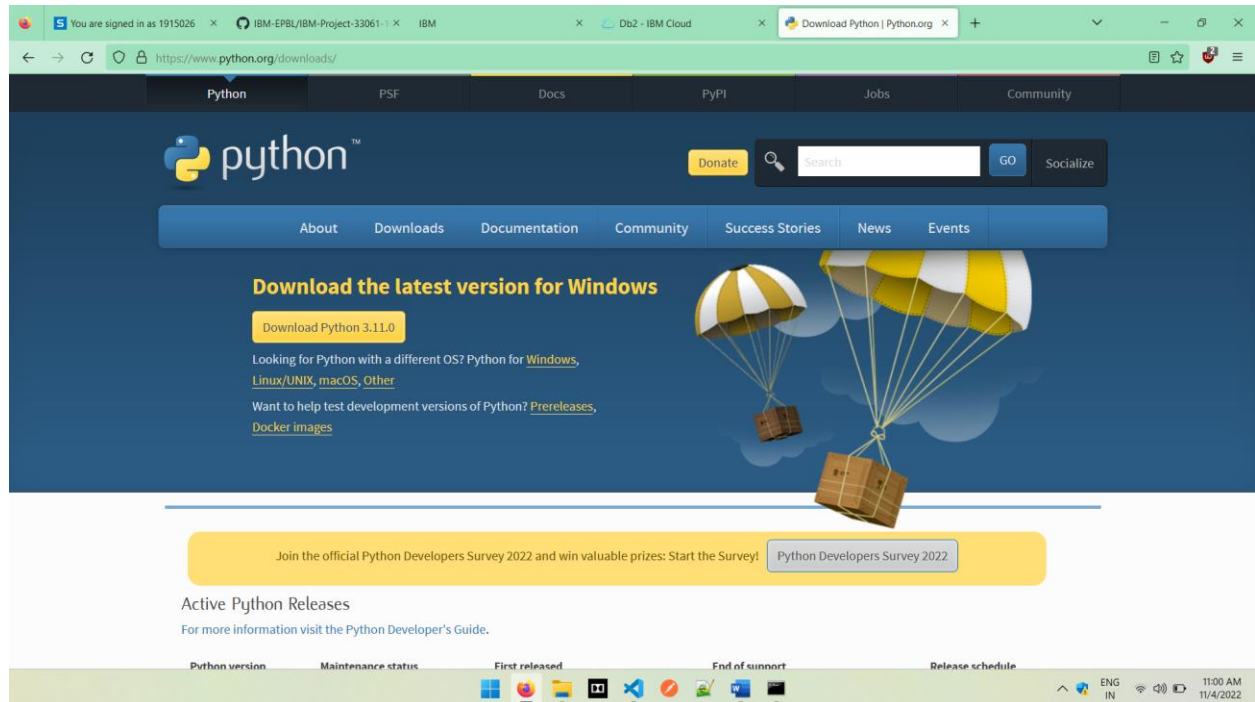


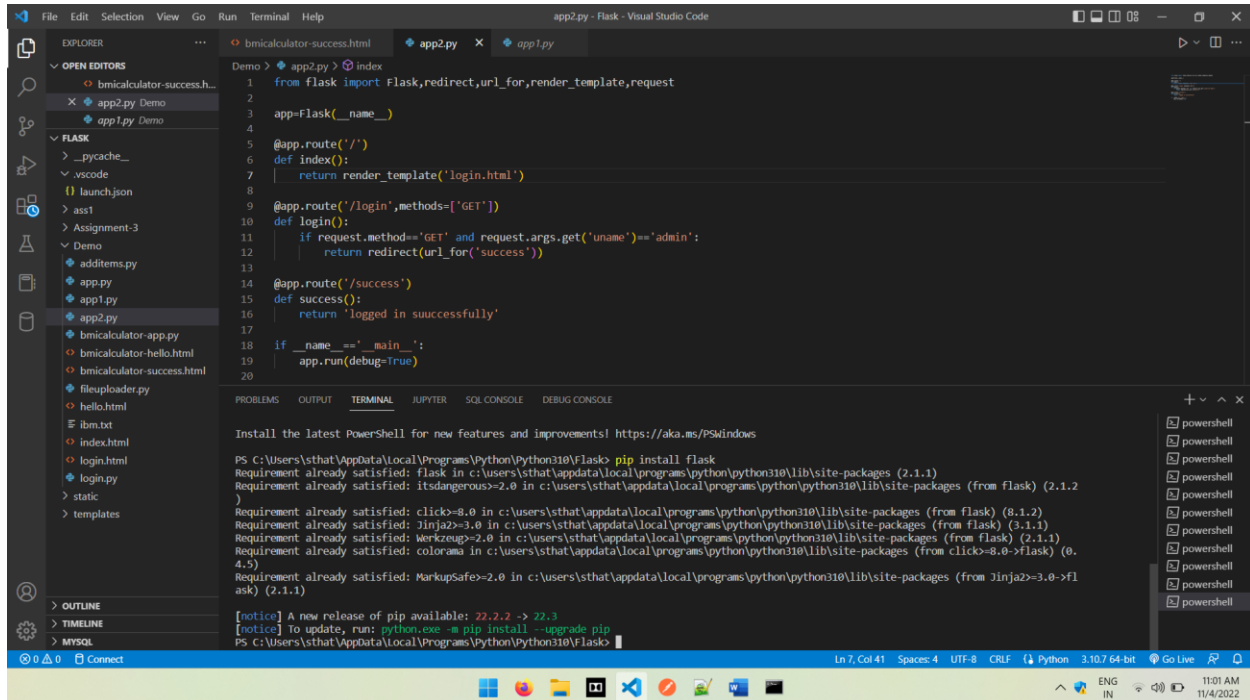
## SETITNG UP APPLICATION ENVIRONMENT CREATE FLASK PROJECT

Date	04 November 2022
Team ID	PNT2022TMID20598
Project Name	Skill / Job Recommender-Cloud Application Development
Maximum Marks	4 Marks

### Step 1: Install Python latest version from python.org



## Step 2: Install flask using the command pip install flask



The screenshot shows the Visual Studio Code interface with a Python project. The Explorer pane on the left shows a file tree with various files including `app2.py`. The main editor displays the code for `app2.py`, which is a Flask application. The terminal at the bottom shows the command `pip install flask` being executed, and the output indicates that the installation was successful. The status bar at the bottom shows the file encoding as UTF-8 and the Python version as 3.10.7 64-bit.

```
File Edit Selection View Go Run Terminal Help
app2.py - Flask - Visual Studio Code

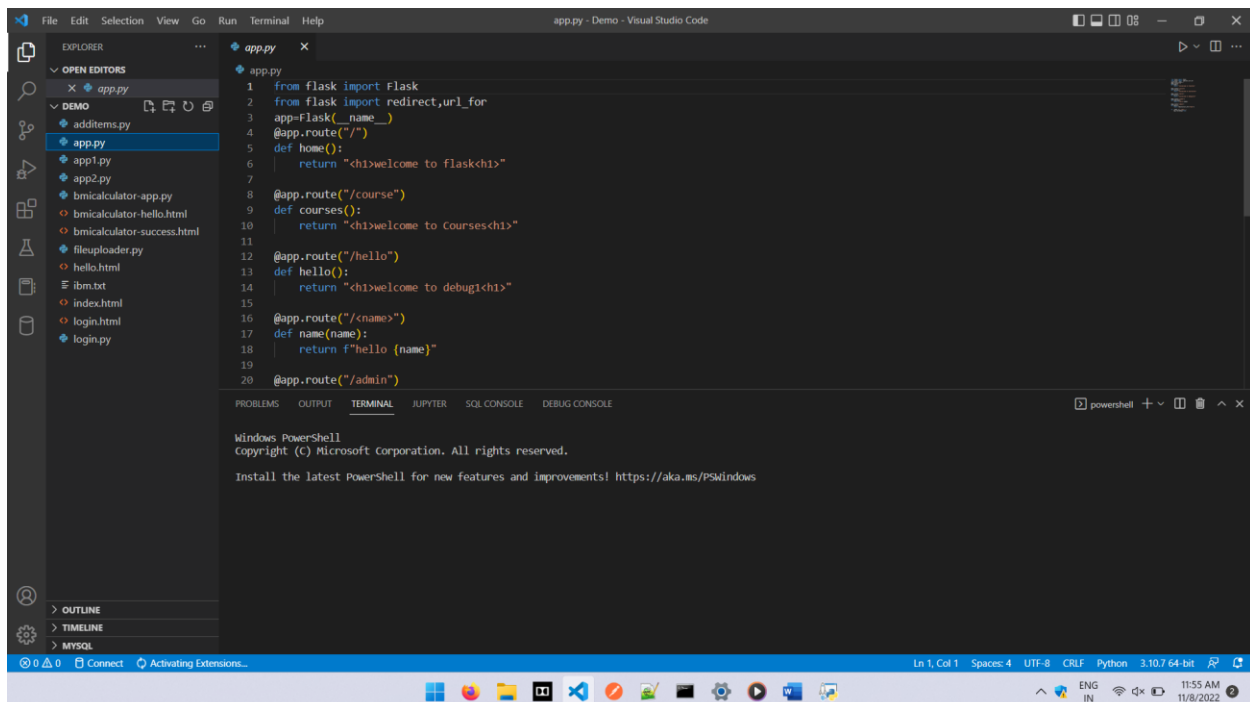
EXPLORER
  OPEN EDITORS
    bmiculator-success.h...
    app2.py Demo
    app1.py Demo
  FLASK
    _pycache_
    .vscode
    launch.json
    ass1
    Assignment-3
    Demo
    addItems.py
    app.py
    app1.py
    app2.py
    bmiculator-app.py
    bmiculator-hello.html
    bmiculator-success.html
    fileuploader.py
    hello.html
    ibm.txt
    index.html
    login.html
    login.py
    static
    templates
  OUTLINE
  TIMELINE
  MYSQL

DEMO
  app2.py
  1 from flask import Flask,redirect,url_for,render_template,request
  2
  3 app=Flask(__name__)
  4
  5 @app.route("/")
  6 def index():
  7     return render_template('login.html')
  8
  9 @app.route('/login',methods=['GET'])
  10 def login():
  11     if request.method=='GET' and request.args.get('uname')=='admin':
  12         return redirect(url_for('success'))
  13
  14 @app.route('/success')
  15 def success():
  16     return 'logged in successfully'
  17
  18 if __name__=='__main__':
  19     app.run(debug=True)
  20

TERMINAL
  Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

  PS C:\Users\sthat\AppData\Local\Programs\Python\Python310\Flask> pip install flask
  Requirement already satisfied: flask in c:\users\sthat\AppData\Local\Programs\Python\Python310\lib\site-packages (2.1.1)
  Requirement already satisfied: itsdangerous>=2.0 in c:\users\sthat\AppData\Local\Programs\Python\Python310\lib\site-packages (from flask) (2.1.2)
  Requirement already satisfied: click>=8.0 in c:\users\sthat\AppData\Local\Programs\Python\Python310\lib\site-packages (from flask) (8.1.2)
  Requirement already satisfied: Jinja2>=3.0 in c:\users\sthat\AppData\Local\Programs\Python\Python310\lib\site-packages (from flask) (3.1.1)
  Requirement already satisfied: Werkzeug>=2.0 in c:\users\sthat\AppData\Local\Programs\Python\Python310\lib\site-packages (from flask) (2.1.1)
  Requirement already satisfied: colorama in c:\users\sthat\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\sthat\AppData\Local\Programs\Python\Python310\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)

  [notice] A new release of pip available: 22.2.2 -> 22.3
  [notice] To update, run: python.exe -m pip install --upgrade pip
  PS C:\Users\sthat\AppData\Local\Programs\Python\Python310\Flask>
```



The screenshot shows the Visual Studio Code interface with a Python project. The Explorer pane on the left shows a file tree with various files including `app.py`. The main editor displays the code for `app.py`, which is a Flask application. The terminal at the bottom shows the command `pip install flask` being executed, and the output indicates that the installation was successful. The status bar at the bottom shows the file encoding as UTF-8 and the Python version as 3.10.7 64-bit.

```
File Edit Selection View Go Run Terminal Help
app.py - Demo - Visual Studio Code

EXPLORER
  OPEN EDITORS
    app.py
  DEMO
    addItems.py
    app.py
    app1.py
    app2.py
    bmiculator-app.py
    bmiculator-hello.html
    bmiculator-success.html
    fileuploader.py
    hello.html
    ibm.txt
    index.html
    login.html
    login.py
  OUTLINE
  TIMELINE
  MYSQL

DEMO
  app.py
  1 from flask import Flask
  2 from flask import redirect,url_for
  3 app=Flask(__name__)
  4 @app.route("/")
  5 def home():
  6     return "<h1>welcome to flask<h1>"
  7
  8 @app.route("/course")
  9 def courses():
  10     return "<h1>welcome to Courses<h1>"
  11
  12 @app.route("/hello")
  13 def hello():
  14     return "<h1>welcome to debug<h1>"
  15
  16 @app.route("/<name>")
  17 def name(name):
  18     return f"hello {name}"
  19
  20 @app.route("/admin")

TERMINAL
  Windows PowerShell
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  Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
```

