ASSIGNMENT-3

ASSIGNMENT NO	3
ASSIGNMENT DATE	25-SEP-2022
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MAXIMUM MARK	2

QUESTION NO.3

1.) FLASK-API-MAIN

2.) FLASK-BLOG-WITH-DB2-MAIN

3.) FLASK-WITH-IBM-CLOUD-OBJECT STORAGE-MAIN

4.) FLASK-WITH-IBM-DB2-MAIN

ANSWER:

1.) FLASK-API-MAIN

```python
from flask import Flask, request
app = Flask(__name__)

food_items = {  "1":"rice",
                "2":"beans",
                "3":"yam",
                "4":"plantain",
                "5":"potatoes",
                "6":"wheat"
             }

@app.route("/api")
def index():
    return  "Hello form Flask API Server"

@app.route('/data', methods = ['POST', 'GET'])
def api():
   if request.method == 'GET':
      return food_items

   if request.method =='POST':
       data = request.json
       food_items.update(data)
       return "Data is inserted"

@app.route("/data/<id>", methods=["PUT"])
def update(id):
    data = request.form['item']
    food_items[str(id)]=data
    return "Data updated"

@app.route("/data/<id>", methods=["DELETE"])
def delete(id):
    food_items.pop(str(id))
    return "Data Deleted"
```

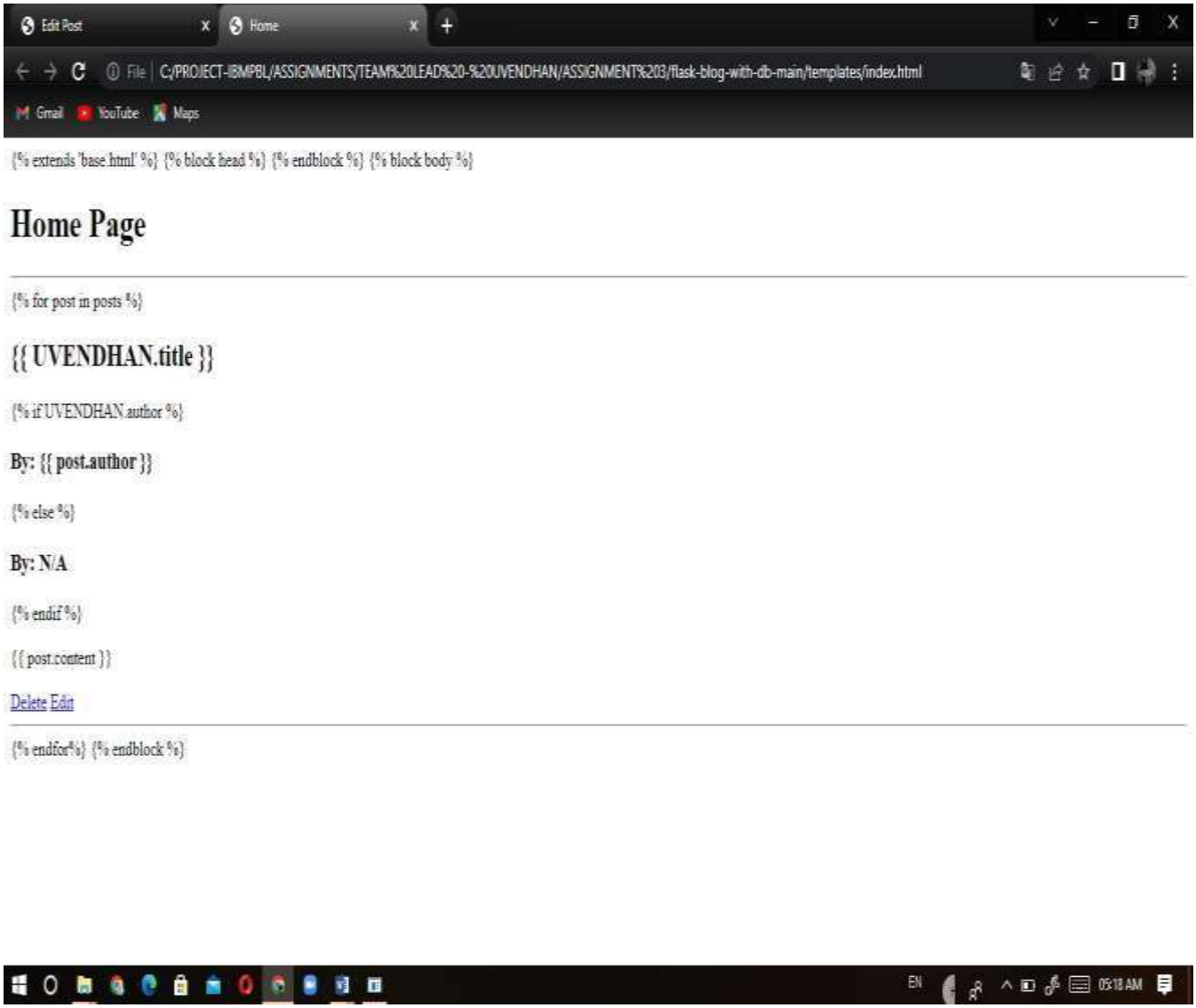
2.) flask-blog-with-db-main

```python
from flask import Flask, render_template, request, redirect
from flask_sqlalchemy import SQLAlchemy
from datetime import datetime

app = Flask(__name__)
app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///posts.db'
db = SQLAlchemy(app)

class BlogPost(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    title = db.Column(db.String(100), nullable=False)
    content = db.Column(db.Text, nullable=False)
    author = db.Column(db.String(20), nullable=False, default='N/A')
    date_posted = db.Column(db.DateTime, nullable=False, default=datetime.utcnow)

    def __repr__(self):
        return 'Blog post ' + str(self.id)

@app.route('/')
def index():
    all_posts = BlogPost.query.order_by(BlogPost.date_posted).all()
    return render_template('index.html', posts=all_posts)

@app.route('/posts', methods=['GET', 'POST'])
def posts():

    if request.method == 'POST':
        post_title = request.form['title']
        post_content = request.form['content']
        post_author = request.form['author']
        new_post = BlogPost(title=post_title, content=post_content, author=post_author)
        db.session.add(new_post)
        db.session.commit()
        return redirect('/posts')
    else:
        all_posts = BlogPost.query.order_by(BlogPost.date_posted).all()
        return render_template('posts.html', posts=all_posts)

@app.route('/posts/delete/<int:id>')
def delete(id):
    post = BlogPost.query.get_or_404(id)
    db.session.delete(post)
```

INDEX.HTML

app.py | index.html — flask-blog-with-db-main\templates | edit.html

```
2
3   {% block head %}
4   <title>Home</title>
5   {% endblock %}
6
7   {% block body %}
8   <h1>Home Page</h1>
9   <hr>
10  {% for post in posts %}
11          <h2>{{ UVENDHAN.title }}</h2>
12          {% if UVENDHAN.author %}
13              <h3>By: {{ post.author }}</h3>
14          {% else %}
15              <h3>By: N/A</h3>
16          {% endif %}
17
18          <p>{{ post.content }}</p>
19          <a href='/posts/delete/{{post.id}}'>Delete</a>
20          <a href='/posts/edit/{{post.id}}'>Edit</a>
21          <hr>
22      {% endfor%}
23  {% endblock %}
```


Edit Post
Home
File | C:/PROJECT-IBMPBL/ASSIGNMENTS/TEAM%20LEAD%20-%20UVENDHAN/ASSIGNMENT%203/flask-blog-with-db-main/templates/index.html
Gmail
YouTube
Maps
{% extends 'base.html' %} {% block head %} {% endblock %} {% block body %}
Home Page
{% for post in posts %}
{{ UVENDHAN.title }}
{% if UVENDHAN.author %}
By: {{ post.author }}
{% else %}
By: N/A
{% endif %}
{{ post.content }}
Delete Edit
{% endfor%} {% endblock %}
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