Python training - lab 22

Flask - parameters

```python
# works with or without / at the end
@app.route('/students/')
def show_students():
    return render_template('students.html',
                            students=st)

# show the student with a certain id
@app.route('/student/<student_id>/')
def show_student(student_id):
    return f"id student {student_id}"

# only allow int values
# options: int, float, str
@app.route('/student/<int:student_id>/')
def show_student(student_id):
    return f"id student {student_id}"
```

Flask - parameters

```python
st = {
    1: 'Dana Popescu',
    2: 'Ion Pop',
    3: 'Gelu Ionescu'}

# show the student with a certain id
@app.route('/student/<student_id>/')
def show_student(student_id):
    return f"Nume complet: {st[student_id]}"
```

Flask - jinja code

```
<!-- students.html -->
{% extends "layout.html" %}
{% block content %}
  <div>This are our students:</div>
    {% for sid in students %}
      <h1>{{students[sid]}}</h1>
    {% endfor %}

  <a href="/">Main page</a>
{% endblock content %}
```

Flask - jinja code

```html
<!-- students.html -->
{% extends "layout.html" %}
{% block content %}
  <div>This are our students:</div>
    {% for sid, stu in students.items() %}
      <h1>{{sid}} {{stu}}</h1>
    {% endfor %}

  <a href="/">Main page</a>
{% endblock content %}
```

Flask - forms

```html
<!-- search form method post -->
<form action="/search" method="POST">
    <input type="text" name="fname"><br>
    <input type="text" name="lname"><br>
    <input type="submit">
</form>

<!-- search form method get -->
<form action="/search" method="GET">
    <input type="text" name="fname"><br>
    <input type="text" name="lname"><br>
    <input type="submit">
</form>
```

Flask - forms

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


@app.route('/search', methods=['GET', 'POST'])
def search():
    # request.form for POST method
    print(request.form)
    print(dict(request.form))
    print(request.form.get('fname'))
    return render_template('search.html', search=request.form)


@app.route('/search', methods=['GET', 'POST'])
def search():
    # request.args for GET method
    print(request.args)
    print(dict(request.args))
    print(request.args.get('fname'))
    return render_template('search.html', search=request.args)
```

Flask - forms

```html
<!-- search.html -->
{% extends "layout.html" %}
{% block content %}
  <div>This the search:</div>
    {% for k, v in search.items() %}
      <h1>{{k}}: {{v}}</h1>
    {% endfor %}

  <a href="/">Main page</a>
{% endblock content %}
```