Instructions: Please answer the following questions making sure to write your answers legibly on the second page. The code below is the contents of python file that runs flask, similar to the one in class

- Since we are writing python code please be careful about spacing / indent. Leave enough room that it is obvious when you want things indented.
- Make sure to write legibly.

```
from flask import (
    Flask,
    jsonify
)
from score_processor import (
    api_high_score_interface,
    api_location_interface,
    api_score_user_info
)
app = Flask(__name__)
@app.route('/api/v1/score/<user>', methods=['GET'])
def user_score(user):
    final_result = {}
    level_1_dict, level_2_dict = api_score_user_info(user)
    # Each is a dictionary of info: { 'score' : int,
    # 'start_time' : int, 'end_time': int }
    level_1_dict['time_in_seconds'] =(
        level_1_dict['end_time'] - level_1_dict['start_time'])
    level_2_dict['time_in_seconds'] =(
        level_2_dict['end_time'] - level_2_dict['start_time'])
    final_result['user'] = user
    # Score needs to be rescaled
    level_1_dict['score'] = int(level_1_dict['score']/100)
    level_2_dict['score'] = int(level_2_dict['score']/100)
    final_result['max'] = max(level_1_dict['score'],
        level_2_dict['score'] )
    final_result['total_time'] = (
        level_1_dict['time_in_seconds'] +
            level_2_dict['time_in_seconds'] )
    return jsonify(final_result), 200
@app.route('/api/v1/location', methods=['GET'])
def return_location_info():
    location_info_dict = api_location_interface()
    return jsonify(location_info_dict), 200
```

1. Create a new route: The function api_high_score_interface returns the top 3 high scorers of a particular video game in the form:

```
['name1', 'name2', 'name3']
```

We want to create a Flask route /api/v1/top_3_users to return this in the format:

```
{ 1: 'name1', 2: 'name2', 3: 'name3'}
```

For example, if api_high_score_interface() returns ['nick', 'anna', 'tina'] then the Flask app should respond with {1: 'nick', 2: 'anna', 3: 'tina'}.

Please write the code for this route.

- 2. What is the DRY principle in coding?
- 3. The code in the route <code>/api/v1/score/<user></code> violates the DRY principle. Please rewrite the code in the section below. Write the <code>entire</code> route, including the decorator all the way to the return statement to fix the issue. Feel free to write on the back if you want more space.