**from** flask **import** Flask, request

**from** flask\_restful **import** Resource, Api

**from** sqlalchemy **import** create\_engine

**from** json **import** dumps

**from** flask.ext.jsonpify **import** jsonify

db\_connect = create\_engine('sqlite:///chinook.db')

app = Flask(\_\_name\_\_)

api = Api(app)

**class** **Employees**(Resource):

**def** **get**(self):

conn = db\_connect.connect() *# connect to database*

query = conn.execute("select \* from employees") *# This line performs query and returns json result*

**return** {'employees': [i[0] **for** i **in** query.cursor.fetchall()]} *# Fetches first column that is Employee ID*

**class** **Tracks**(Resource):

**def** **get**(self):

conn = db\_connect.connect()

query = conn.execute("select trackid, name, composer, unitprice from tracks;")

result = {'data': [dict(zip(tuple (query.keys()) ,i)) **for** i **in** query.cursor]}

**return** jsonify(result)

**class** **Employees\_Name**(Resource):

**def** **get**(self, employee\_id):

conn = db\_connect.connect()

query = conn.execute("select \* from employees where EmployeeId =%d " %int(employee\_id))

result = {'data': [dict(zip(tuple (query.keys()) ,i)) **for** i **in** query.cursor]}

**return** jsonify(result)

api.add\_resource(Employees, '/employees') *# Route\_1*

api.add\_resource(Tracks, '/tracks') *# Route\_2*

api.add\_resource(Employees\_Name, '/employees/<employee\_id>') *# Route\_3*

**if** \_\_name\_\_ == '\_\_main\_\_':

app.run(port='5002')