

# Data Representation

## Lab 05.1: CURL

Lecturer: Andrew Beatty

- In this lab we will make some CURL commands on the command line

1. Test to see if CURL is working from you command line.

```
curl google.com
```

You should get a 301 error saying that the page has moved

2. You can check this by using the `-i` option

```
curl -i google.com
```

3. Look at the website <http://dummy.restapiexample.com/>
  - a. What the curl command be to view all the employees?
  - b. What would the curl command be to view employee 2202?

```
curl http://dummy.restapiexample.com/api/v1/employees  
curl http://dummy.restapiexample.com/api/v1/employee/2202
```

```
curl -X DELETE http://dummy.restapiexample.com/api/v1/delete/1000
```

4. For the same web site how would you use curl to delete an employee

5. For the same website how would you use curl to create an employee, you may need to make the employee name unique
- a. Mac

```
curl -i -d '{"name":"jj","salary":"123","age":"23"}' -H 'Content-Type: application/json' -X POST http://dummy.restapiexample.com/api/v1/create
```

- b. Windows (windows only has " (no ') so the data needs to be between "" and all the inverted commas in the JSON need to be escaped \". (This is a pain)

```
curl -i -d "{\\"name\\":\\"jj\\",\\"salary\\":\\"123\\",\\"age\\":\\"23\\"}" -H "Content-Type: application/json" -X POST http://dummy.restapiexample.com/api/v1/create
```

6. For the same website how would you use curl to update an employee
- a. Mac

```
curl -d '{"name":"Mary","salary":"12000","age":99}' -H 'Content-Type: application/json' -X PUT http://dummy.restapiexample.com/api/v1/update/2202
```

- b. Windows

```
curl -d "{\\"name\\":\\"Mary\\",\\"salary\\":\\"12000\\",\\"age\\":99}" -H "Content-Type: application/json" -X PUT http://dummy.restapiexample.com/api/v1/update/2202
```