CP-WST Practical Solution Mock Examination 1

This Document is providing a solution to the Qn_1 of **CP-WST Mock Exam 1**.

Qn_1) Use Karate web services test automation tool and validate the following web services request

a.URL - https://reqres.in/api/users?page=2
   Request Type – GET
  Response = 200

b.URL - https://reqres.in/api/login
   Request Type – Post
   Request Body - "email": "peter@klaven",
   "password": "cityslicka"
   Response – 200

c.URL - https://reqres.in/ api/users/3
   Request Type – Put
   Request body – name and job
   Response – 200

d.URL - https://reqres.in/ api/users/3
   Request Type – DELETE
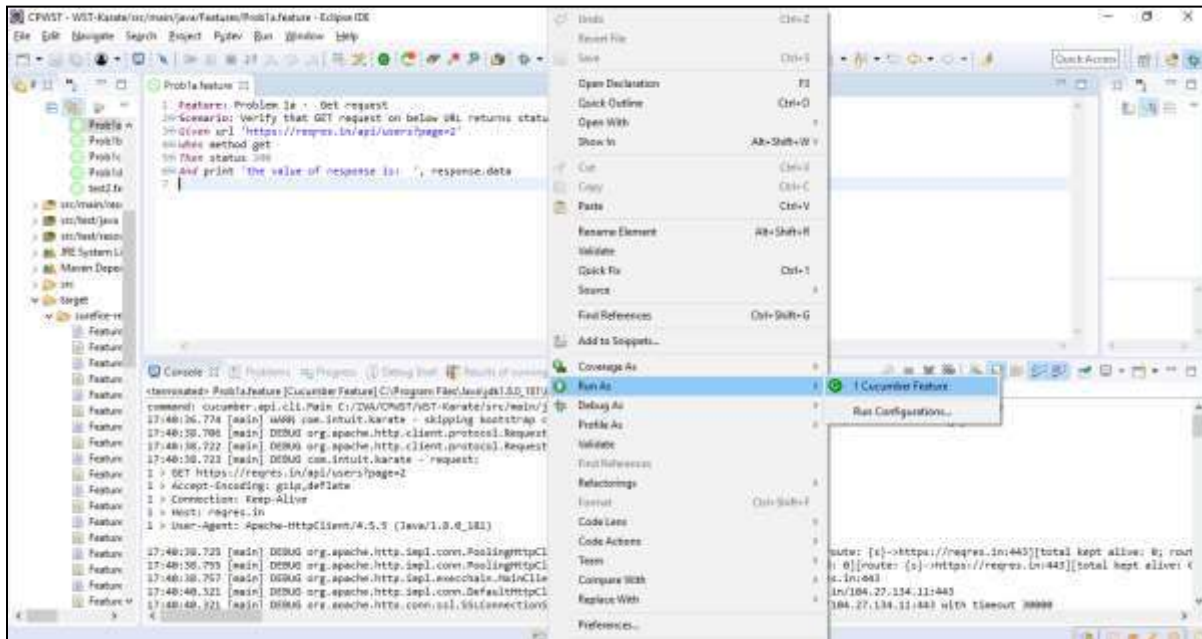   **Response – 204**
   Validate response with time stamp

Soln_1a)

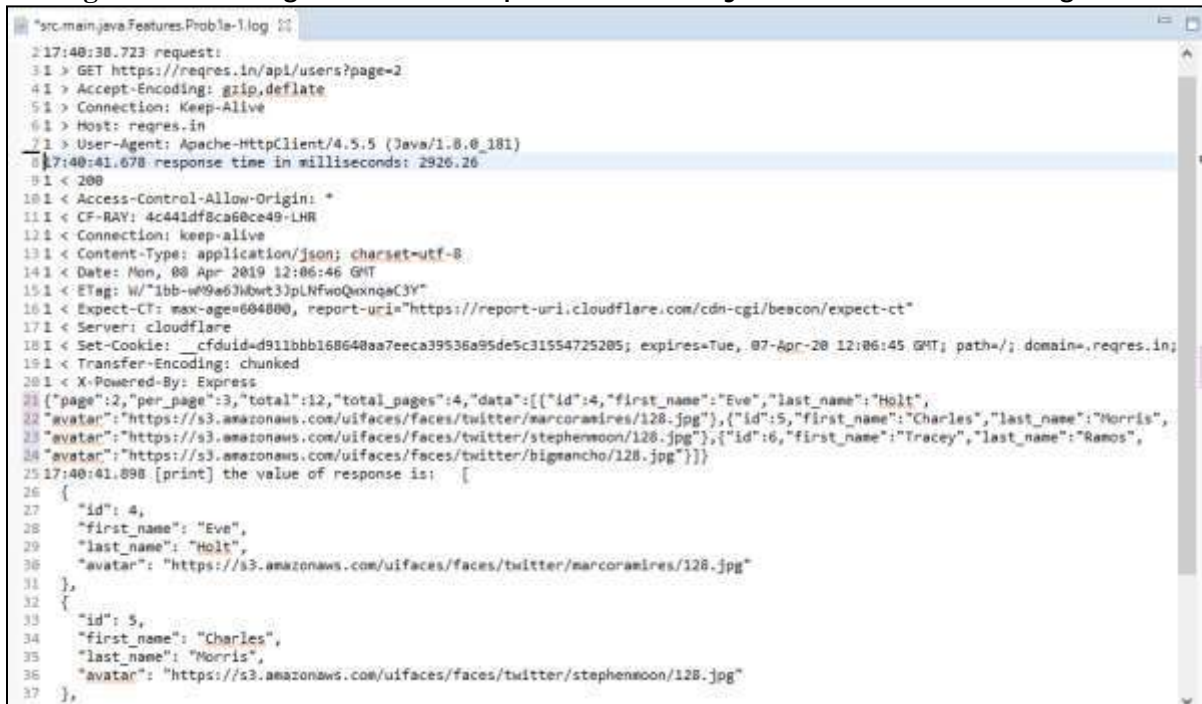**Step 1:   Create Prob_1a.feature file in Eclipse and would be something like**

```
 Prob1a.feature ⊠
 1  Feature: Problem 1a -  Get request
 2⊖ Scenario: Verify that GET request on below URL returns status code of 200
 3⊖ Given url 'https://reqres.in/api/users?page=2'
 4⊖ When method get
 5⊖ Then status 200
 6⊖ And print 'the value of response is:  ', response.data
 7  |
```

Step 2: Right click on feature file and Run As -> Cucumber Feature

Step 3:

The log file is at `./target/surefire-reports/src.main.java.Features.Prob1a.log`

Step 4: The `HTML report` file is at
`./target/surefire-reports/src.main.java.Features.Prob1a.html`
Test Report is as follows

Soln_1b)

Step 1: Create Prob_1b.feature file in Eclipse and would be something like

```
Prob1b.feature ⊠

1  Feature: Post request to URL - https://reqres.in/api/login
2⊖ Scenario: Verify that the Post request results in proper status code 200
3⊖ Given url 'https://reqres.in/api/login'
4⊖ And request {email: 'peter@klaven', password : 'cityslicka'}
5⊖ When method post
6⊖ Then status 200
7⊖ And match response.token == '#string'
8  And print 'The Response is = ', response
```

Step 2:
Right click on feature file and Run As -> Cucumber Feature

Step 3:
The log file is at `./target/surefire-reports/src.main.java.Features.Prob1b.log`
12:08:05.184 skipping bootstrap configuration: could not find or read file:
classpath:karate-config.js
12:08:06.326 request:
1 > POST https://reqres.in/api/login
1 > Accept-Encoding: gzip,deflate
1 > Connection: Keep-Alive
1 > Content-Length: 48
1 > Content-Type: application/json; charset=UTF-8
1 > Host: reqres.in
1 > User-Agent: Apache-HttpClient/4.5.5 (Java/1.8.0_181)
{"email":"peter@klaven","password":"cityslicka"}

12:08:10.013 response time in milliseconds: 3683.91
1 < 200
1 < Access-Control-Allow-Origin: *
1 < CF-RAY: 4c4a74369aad6b85-LHR
1 < Connection: keep-alive
1 < Content-Length: 28
1 < Content-Type: application/json; charset=utf-8
1 < Date: Tue, 09 Apr 2019 06:34:13 GMT
1 < ETag: W/"1c-Qhb23J5gzWLVsuoGOIKOSkfy7a0"
1 < Expect-CT: max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-
cgi/beacon/expect-ct"

```
1 < Server: cloudflare
1 < Set-Cookie: __cfduid=dca5cb1e209032c62d147fef45855286c1554791652; expires=Wed,
08-Apr-20 06:34:12 GMT; path=/; domain=.reqres.in; HttpOnly
1 < X-Powered-By: Express
{"token":"QpwL5tke4Pnpja7X"}

12:08:10.038 [print] The Response is =  {
  "token": "QpwL5tke4Pnpja7X"
}
```

Step 4: The HTML report file is at
./target/surefire-reports/src.main.java.Features.Prob1b.html
Test Report is as follows

Soln_1c)

Step 1:   Create Prob_1c.feature file in Eclipse and would be something like


```
Prob1c.feature ⋈

1  Feature: Prob1c - Put request for URL - https://reqres.in/api/users/3
2⊖ Scenario: Verify for the proper status code and response
3⊖ Given url 'https://reqres.in/api/users/3'
4⊖ And request {name: 'Anand', Job: 'WST'}
5⊖ When method Put
6⊖ Then status 200
7  And print 'the value of response is:', response
```

Step 2:
Right click on feature file and Run As -> Cucumber Feature

Step 3:
The log file is at ./target/surefire-reports/src.main.java.Features.Prob1c.log

```
  □    ● Prob1c.feature    ▤ src.main.java.Features.Prob1c-1.log ⌗
  ▽    1 15:38:15.632 skipping bootstrap configuration: could not find or read file: classpath:karate-config.js
       2 15:38:16.812 request:
  ∧    3 1 > PUT https://reqres.in/api/users/3
       4 1 > Accept-Encoding: gzip,deflate
       5 1 > Connection: Keep-Alive
       6 1 > Content-Length: 28
       7 1 > Content-Type: application/json; charset=UTF-8
       8 1 > Host: reqres.in
       9 1 > User-Agent: Apache-HttpClient/4.5.5 (Java/1.8.0_181)
      10 {"name":"Anand","Job":"WST"}
      11
      12 15:38:19.113 response time in milliseconds: 2297.81
      13 1 < 200
      14 1 < Access-Control-Allow-Origin: *
      15 1 < CF-RAY: 4c4ba8095a7ace45-LHR
      16 1 < Connection: keep-alive
      17 1 < Content-Type: application/json; charset=utf-8
      18 1 < Date: Tue, 09 Apr 2019 10:04:21 GMT
      19 1 < ETag: W/"43-CEJTLZ9+238WhYL82x+707b5M+o"
      20 1 < Expect-CT: max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-ct"
1.lc  21 1 < Server: cloudflare
htn   22 1 < Set-Cookie: __cfduid=d394737e9f6646765d0564d79f2777c721554804261; expires=Wed, 08-Apr-20 10:04:21 GMT;
      23 1 < Transfer-Encoding: chunked
      24 1 < X-Powered-By: Express
      25 {"name":"Anand","Job":"WST","updatedAt":"2019-04-09T10:09:09.947Z"}
      26
      27 15:38:19.123 [print] the value of response is: {
      28   "name": "Anand",
      29   "Job": "WST",
      30   "updatedAt": "2019-04-09T10:09:09.947Z"
      31 }
```

Step 4: The `HTML report file` is at
`./target/surefire-reports/src.main.java.Features.Prob1b.html`
Test Report is as follows

Soln 1d)

Step 1:   Create Prob_1d.feature file in Eclipse and would be something like

```
● Prob1d.feature ⌗

 1 Feature: 1d - Delete Request for URL - https://reqres.in/ api/users/3
 2⊖ Scenario: Verify that the appropriate response is 204
 3⊖ Given url 'https://reqres.in/api/users/3'
 4⊖ When method Delete
 5⊖ Then status 204
 6⊖ And match response.token == '#string'
 7  And print 'The Response is $$ ', response
```

Step 2:
Right click on feature file and Run As -> Cucumber Feature

Step 3:
The log file is at `./target/surefire-reports/src.main.java.Features.Prob1d.log`

```
  Prob1d.feature      *src.main.java.Features.Prob1d-1.log      src.main.java.Features.Prob1d

 1 15:46:48.248 skipping bootstrap configuration: could not find or read file: classpath:karate-config.js
 2 15:46:49.382 request:
 3 1 > DELETE https://reqres.in/api/users/3
 4 1 > Accept-Encoding: gzip,deflate
 5 1 > Connection: Keep-Alive
 6 1 > Host: reqres.in
 7 1 > User-Agent: Apache-HttpClient/4.5.5 (Java/1.8.0_181)
 8
 9 15:46:53.078 response time in milliseconds: 3694.59
10 1 < 204
11 1 < Access-Control-Allow-Origin: *
12 1 < CF-RAY: 4c4bb494ed6ece55-LHR
13 1 < Connection: keep-alive
14 1 < Date: Tue, 09 Apr 2019 10:12:55 GMT
15 1 < ETag: W/"2-vyGp6PvFo4RvsFtPoIWeCReyIC8"
16 1 < Expect-CT: max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-ct"
17 1 < Server: cloudflare
18 1 < Set-Cookie: __cfduid=d9e9fec9cbc655723cd7b9ca4a09bf8661554804775;
19 expires=Wed, 08-Apr-20 10:12:55 GMT; path=/; domain=.reqres.in; HttpOnly
20 1 < X-Powered-By: Express
21
22 15:46:53.092 [print] The Response is $$
23
```

Step 4: The `HTML report file is at`
`./target/surefire-reports/src.main.java.Features.Prob1d.html`
Test Report is as follows