Answer for Question 4:

To run the same tests against different environments using Nightwatch, the file “nightwatch.json” is updated with the multiple environment details, as below, in the section “test settings”

"test\_settings" : {

"default" : {

"launch\_url" : "http://localhost",

"selenium\_port" : 4444,

"selenium\_host" : "localhost",

"silent": true,

"screenshots" : {

"enabled" : false,

"path" : ""

},

"test" : {

"launch\_url" : "http://localhost",

"selenium\_port" : 4444,

"selenium\_host" : "localhost",

"silent": true,

"screenshots" : {

"enabled" : false,

"path" : ""

},

"staging" : {

"launch\_url" : "http://localhost",

"selenium\_port" : 4444,

"selenium\_host" : "localhost",

"silent": true,

"screenshots" : {

"enabled" : false,

"path" : ""

},

In the above code, which is to be updated in nightwatch.json, the default environment is “local host”, i.e., whenever we use the command “nightwatch -test SectionA.js” , the tests will run in the local host. In order to makie it run in “Test” environment”, which is defined in the section “test”, we need to set the environment first, by using the command, “nightwatch -env test”. Now the environment is set to “test”. Similarly, in order to make it run in “Staging”, we will set the environment using the command “nightwatch -env staging” and then start running the tests. Please note that as we are launching the url with each environment which are defined in the nightwatch.json, we will not be using the command “browser.url” in the tests, as this will override the “launch url” mentioned in “nightwatch.json”.

Answer for Question 5:

To make the same tests traverse through different programs, instead of giving the Url directly in the tests, url can be parameterized.

One way of parameterizing the Url is to drive the Url data from excel sheet. There should be a run mode set against each Url, and for all the Urls for which the Run mode is set as “Y”, all the tests can be run for the specified Url.