Question 1: How do you inspect all environment variables in Python?

Print(os.environ)

Json\_object = json.dumps(dict(os.environ), indent = 4)

Print(Json\_object)

Question 2: What environment variable contains the query parameter data?

Query\_string

Question 3: What environment variable contains information about the user’s browser?

HTTP\_USER\_AGENT

Question 4: How does the POSTed data come to the CGI script?

form = cgi.FieldStorage()

Question 5: What is the HTTP header syntax to set a cookie from the server?

print 'Set-Cookie: lastvisit=' + str(time.time());

Question 6: What is the HTTP header syntax the browser uses to send the cookie back?

cookie\_string = os.environ.get('HTTP\_COOKIE')

Question 7: In your own words, what are cookies used for?

Cookie is a local storage mechanism supported by the browser. It is generally generated by the server settings, and is automatically stored in the browser when responding to a request.

When you browse a website, a very small text file placed on your hard drive by the web server, which can record your user ID, password, and web pages you have browsed.

Question 8: What is the link to your code on GitHub?

https://github.com/WentaiDu/CMPUT404LAB/tree/main/LAB03