Test Questions

Time allowed 6hours

Submit to: proservices@bincom.net using these format First name last name – Trainee/Intern Developer python beginners. In your email attach a link to the repo where your solutions are, or attachments to your solutions.

Using clearly written python Code with comments.

A. Extract the colors from the html file provided 'python_class_test.html', using regular expression.

B. Store them in a dictionary, using color as key and their frequency as values.

Using python provide solutions to the following questions from the extracted colors.

1 Which color of shirt is the mean color?

2 Which color is mostly worn throughout the week?

3 Which color is the median?

4 BONUS Get the variance of the colors

5 BONUS if a colour is chosen at random, what is the probability that the color is red?

6 Save the colours and their frequencies in postgresql database

7 . BONUS write a recursive searching algorithm to search for a number entered by user in a list of numbers

8 Write a program that generates random 4 digits number of 0s and 1s and convert the generated number to base 10

9. Write a program to sum the first 50 Fibonacci sequence

GOOD LUCK!!!!!