

CS2021 ASSIGNMENT 11 (Due Date: Dec 17, 2021)

Question 1

To make a website to be visible to the public, web pages have to be stored under a web server.

- (a) State three common web servers which are commonly installed in a computer to support this service.
- (b) State the full name of HTML.
- (c) The syntax of HTML is embraced under an application protocol. What is the full name for this protocol?
- (d) If there is any command with syntax error in a HTML file, what will the interpreter in a browser will do? The browser will not render the HTML file or the browser will render the web page but ignoring the erroneous commands.

Question 2

- (a) What is the effect of

```
<i>John Sum</i>
```

in the display of John Sum in a web page?

- (b) What is the effect of

```
<b>John Sum</b>
```

in the display of John Sum in a web page?

- (c) What is the difference in the usage of the tags `` and `` in listing of items?
- (d) What is the purpose of the tagging `<p>` and `</p>` in an HTML file?
- (e) HTML is a compiled language or an interpreted language?

Question 3

- (a) C language is a compiled language or an interpreted language?
- (b) In the heading of a C program, it always will include a number of header files like below.

```
#include <stdio.h>
#include <math.h>
```

What is the purpose for adding such header files?

- (c) What is the purpose for the declaration of the variables and their data types in the beginning of the program?
- (d) State three C compilers which are commonly installed in a computer.
- (e) Owing to let a compiler to convert the source code of "printf" to machine code, which header file has to be included?
- (f) If we would like a C compiler to ignore a command, what could we add in the program source code file?

Question 4

- (a) What is the difference between a pseudo-code program and a C program source code?
- (b) A C program which can be compiled by a C compiler X. It might not be compiled by another C compiler Y. Explain the reason(s) why?