Advanced Security 1 – DT211-4, DT282-4 and DT228-4

Lab Sheet 1 - (1 Mark)

Part A

In this part you will be required to list Cryptographic applications you will use to lock down the web browser you are using. Or in other words how will you make your browser more secure, so that it mitigates the exposure of your personally identifiable information and any other data you may wish to protect. List the applications you will install in your browser to show who is tracking you. Why are you being tracked in every click you make? Is it possible to prevent being tracked? If yes why or if no why not? Do not write more than half a page.

Part B

Write a report of not more than three paragraphs on the deep web covering the following issues. Why is it called the deep web? How can we reach or use the deep web? Are there any tools for reaching the deep web? What are the dangers of using or accessing the deep web? Is it legal to use the deep web? How much of the web is in the deep web?

Part C

Write a simple four functions calculator (addition, subtraction, division and multiplication) using Java programming language (Note: you can use any programming language provided you will use the same for the duration of the module) which can be used to perform arithmetic. The calculator must have Graphical User Interface. Make sure that your program is well documented.

Note: this lab will be marked; late submissions will not be accepted. You will be required to submit the following:
1. Two paragraphs report for part A
2. At most one page report for part B
3. Your calculator program