5CS021-Numerical Methods and Concurrency

LAB REPORT – Week1

Attempt all questions

1. Write a program to print out all triangular numbers from 1 to n (entered by user).

2. Write a program to print the sum of digits of the number provided by user.

3. Write a program to create simple calculator using switch case. (The operators +, -, *, /and % must be asked to user as a character.) 4. Write a program to input a character from the user until an enter is pressed and print it in lowercase. If the character is in uppercase, then you must change it in lowercase and if it is in lowercase then you must print as it is.

5. Write a program to ask the final score from user and print it whether he/she is passed in (distinction above 80%, first division

above 60% to 80%, second division above 50% to 60%, Third division above 40% to 50%, and fail below 40%). It is mandatory to use **elseif** statement to solve the task.

6. Write a program to print the following pattern using nested loop:

```
A
B B
C C C
D D D D
E E E E E
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