**CSF 2113 Lab 5.1 Functions Advanced Concepts**

1. **Using Recursive Functions in python**
2. Write a recursive function, which takes a number and print its factorial.

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| Paste your code here |

1. Define a recursive function that takes a number n and returns the Fibonacci number of that index from the sequence.

The Fibonacci numbers are the numbers of the following sequence of integer values: 0,1,1,2,3,5,8,13,21,34,55,89, ... . The Fibonacci numbers are defined by:

, with and

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| Paste your code here |

1. Write a recursive function that takes a positive number as input and then, print all the numbers up to 0.

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| Paste your code here |

1. **Using Anonymous functions (Lambda expression)**
2. Write the output of the code segment:

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| Code | Output |
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**End of Lab**