



## Lab Week 9

### Exception Handling

1. Using a try block to catch an exception, write a Python program that check whether a file exist or not. For this question, create a file called **data.txt** and print the content inside of it.

### Recursion

2. Write a recursion function to calculate the sum of a list numbers.  
list\_num = [90, 34, 67, 12, 59]
3. Write a recursion function that accept a list of list.  
Test Data: [[1,2], [3,4], [5,6]]  
Expected Result: 21
4. Write a Python program to get the factorial of a non-negative integer.  
factorial(5)
5. Write a Python program to solve the Fibonacci sequence using recursion.  
1,1,2,3,5,8,13,21,34,55,89,144,233,377...
6. Write a Python program to get the sum of a non-negative integer.  
Test Data: sumDigit(345)  
Expected Result: 12
7. Write a Python program to calculate the value of 'a' to the power 'b'.  
Test Data: power(3,4)  
Expected Result: 81

- The End -

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