

S3 MCA (2024-26 Batch)

M24CA1L306 Data Science Lab

Lab Exercise #01

Date of Submission: 11 Sept 2025

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- Import pandas package
- Learn the usage and syntax of the following functions. Try it in lab using your own data

Sr.No.	Function	Description
1	DataFrame()	2D Data Structure
2	head()	Show first few rows
3	tail()	Show last few rows
4	count()	Number of non-null observations
5	sum()	Sum of values
6	mean()	Mean of Values
7	median()	Median of Values
8	mode()	Mode of values
9	std()	Standard Deviation of the Values
10	min()	Minimum Value
11	max()	Maximum Value
12	abs()	Absolute Value
13	prod()	Product of Values
14	cumsum()	Cumulative Sum
15	cumprod()	Cumulative Product
16	Info()	
17	shape()	
18	describe()	summary of statistics